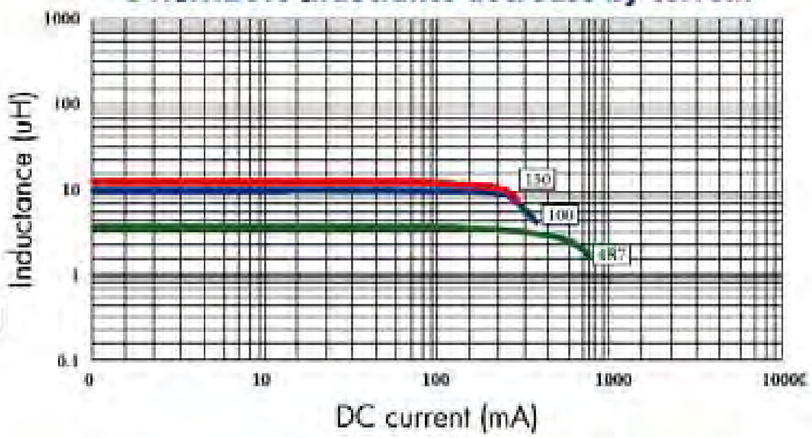
OWITH2010 TYPE

FEATURES

1. Low profile.
2. Temperature range up to 125°C.
3. High rated current.
4. low DC resistance.
5. Suitable for lead-free reflow soldering.
6. ROHS-compatible.

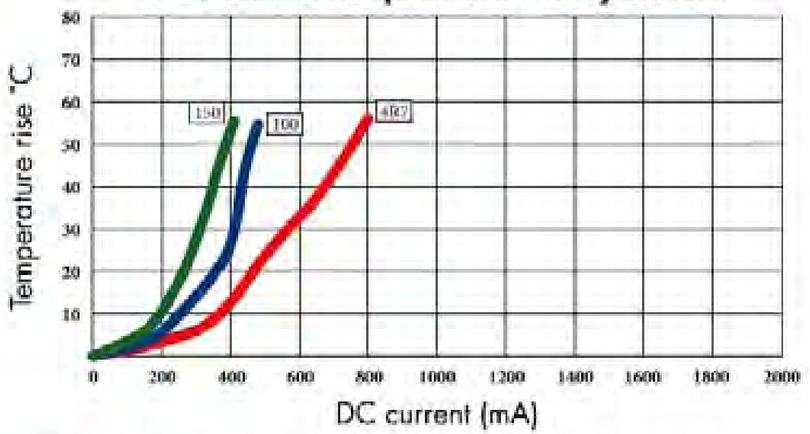
APPLICATIONS

1. Filtering of supply voltages.
2. Coupling, decoupling.
3. DC/DC converters.
4. Handheld devices (e.g. mobile phones, MP3 players, etc.)
5. EDP (Electronic Date Processing).
6. Consumer electronics.



ELECTRICAL CHARACTERISTICS FOR OWITH2010 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWITH2010-R56	0.56	100KHZ	106m	1.45	1.30
OWITH2010-1R0	1.0	100KHZ	145m	1.06	1.05
OWITH2010-1R5	1.5	100KHZ	210m	0.85	0.92
OWITH2010-2R2	2.2	100KHZ	256m	0.70	0.77
OWITH2010-2R7	2.7	100KHZ	306m	0.64	0.72
OWITH2010-3R3	3.3	100KHZ	380m	0.60	0.67
OWITH2010-4R7	4.7	100KHZ	480m	0.48	0.60
OWITH2010-6R8	6.8	100KHZ	650m	0.41	0.49
OWITH2010-100	10	100KHZ	1.12	0.32	0.36
OWITH2010-150	15	100KHZ	1.90	0.26	0.27
OWITH2010-220	22	100KHZ	2.90	0.22	0.25



1. Inductance tested at 0.25V. Tolerance of inductance: 0.56uH~6.8uH: ±30%(N) 10uH~22uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 35% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

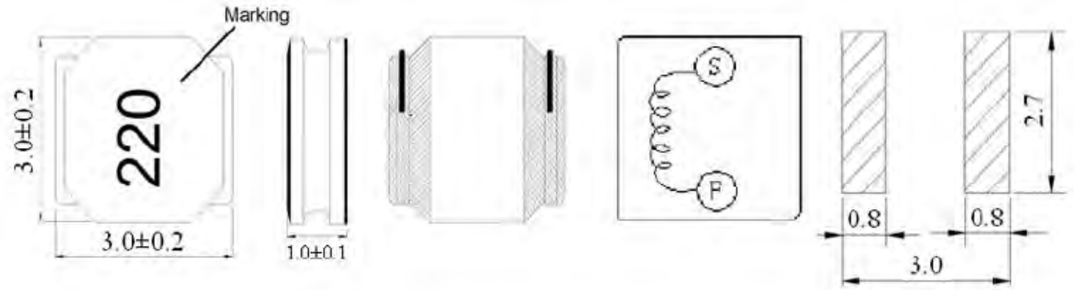
OWINR3010C TYPE

FEATURES

- 125℃ maximum total temperature operation
- 3.0mm x 3.0mm x 1.0mm shielded drum core
- Ferrite core material
- Inductance range from 1.0uH to 47.0uH
- Current range from 1.3 Amps to 0.22Amps
- Frequency range up to 1MHz

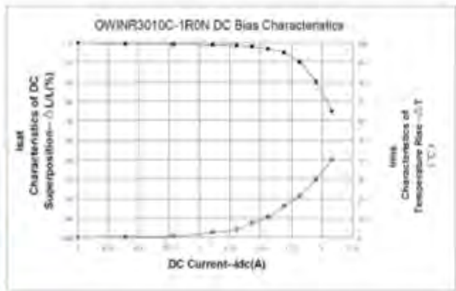
APPLICATIONS

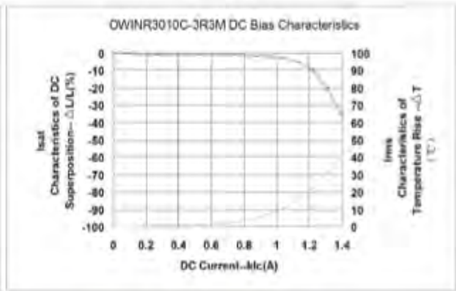
- Notebook power, Portable devices
- Wireless modems, ADSL line cards
- Point of load power supplies
- Battery chargers, Video Cards
- MP3 player, PDA's, DVD players
- Navigation system, LCD backlighting
- Buck, Boost, or Forward inductor

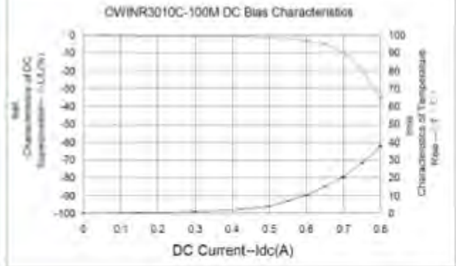


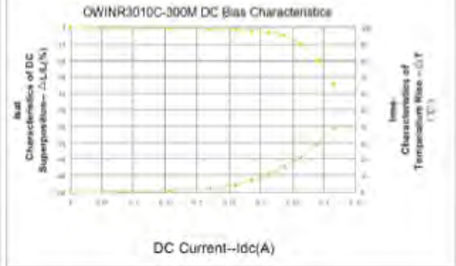
ELECTRICAL CHARACTERISTICS FOR OWINR3010C SERIES

Part Number	Inductance (uH)(1)	DCR(Ω Typ) @25℃	Isat (2) (A) Amperes	Irms (3) (A) Amperes	SRF (MHz) Typ.
OWINR3010C-1R0N	1.00±30%	0.065±20%	1.300	1.400	
OWINR3010C-1R5N	1.50±30%	0.080±20%	1.200	1.300	
OWINR3010C-2R2M	2.20±20%	0.095±20%	1.100	1.100	
OWINR3010C-3R3M	3.30±20%	0.140±20%	0.870	0.940	
OWINR3010C-4R7M	4.70±20%	0.190±20%	0.750	0.780	
OWINR3010C-6R8M	6.80±20%	0.300±20%	0.610	0.630	
OWINR3010C-100M	10.0±20%	0.450±20%	0.500	0.510	
OWINR3010C-150M	15.0±20%	0.740±20%	0.400	0.400	
OWINR3010C-220M	22.0±20%	1.030±20%	0.350	0.350	
OWINR3010C-330M	33.0±20%	1.550±20%	0.260	0.275	
OWINR3010C-470M	47.0±20%	2.050±20%	0.220	0.235	









(1) Open Circuit Inductance Test Parameters: 100kHz, 0.25V, 0.0Adc

(2) Isat Amperes peak for approximately 30% roll off (@25℃)

(3) Irms: current for an approximate ΔT of 40°C without core loss. It is recommended that the temperature of the part not exceed 125℃. PCB layout, trace thickness and width, air-flow, and proximity of other heat generating components will affect the temperature rise. It is recommended that the temperature of the part not exceed 125℃ under worst case operating conditions verified in the end application.

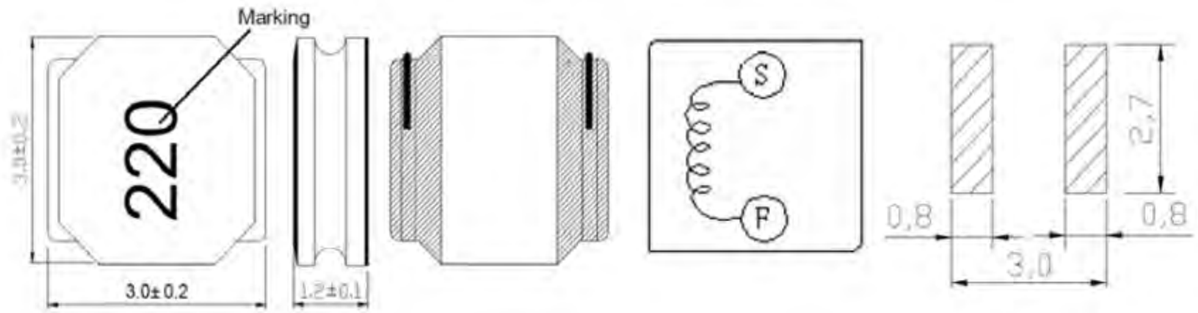
OWINR3012C TYPE

FEATURES

- 125℃ maximum total temperature operation
- 3.0mm x 3.0mm x 1.2mm shielded drum core
- Ferrite core material
- Inductance range from 1.0uH to 47.0uH
- Current range from 1.5 Amps to 0.25Amps
- Frequency range up to 1MHz

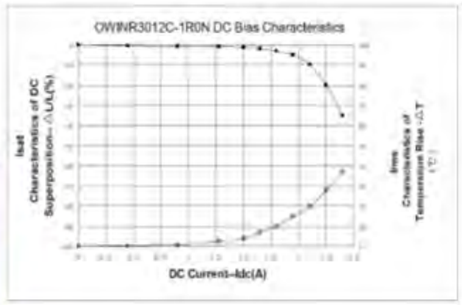
APPLICATIONS

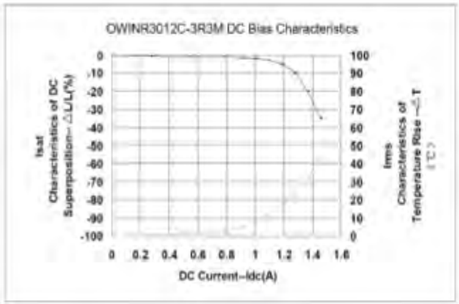
- Notebook power, Portable devices
- Wireless modems, ADSL line cards
- Point of load power supplies
- Battery chargers, Video Cards
- MP3 player, PDA's, DVD players
- Navigation system, LCD backlighting
- Buck, Boost, or Forward inductor

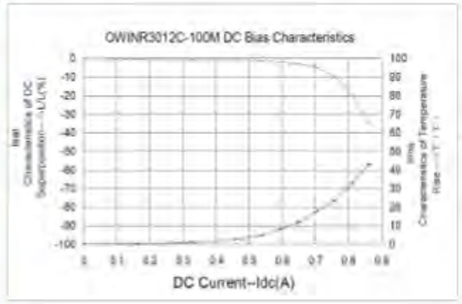


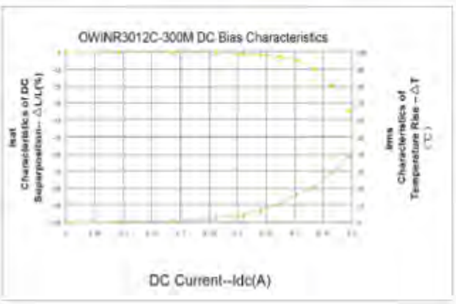
ELECTRICAL CHARACTERISTICS FOR OWINR3012C SERIES

Part Number	Inductance (uH)(1)	DCR(Ω Typ) @25℃	Isat (2) (A) Amperes	Irms (3) (A) Amperes	SRF (MHz) Typ.
OWINR3012C-1R0N	1.00±30%	0.050±20%	1.500	1.490	
OWINR3012C-1R5N	1.50±30%	0.060±20%	1.360	1.400	
OWINR3012C-2R2M	2.20±20%	0.080±20%	1.100	1.200	
OWINR3012C-3R3M	3.30±20%	0.100±20%	0.910	1.050	
OWINR3012C-4R7M	4.70±20%	0.130±20%	0.770	0.980	
OWINR3012C-6R8M	6.80±20%	0.190±20%	0.670	0.740	
OWINR3012C-100M	10.0±20%	0.290±20%	0.540	0.630	
OWINR3012C-150M	15.0±20%	0.450±20%	0.440	0.485	
OWINR3012C-220M	22.0±20%	0.630±20%	0.375	0.420	
OWINR3012C-330M	33.0±20%	1.030±20%	0.310	0.330	
OWINR3012C-470M	47.0±20%	1.450±20%	0.250	0.280	









(1) Open Circuit Inductance Test Parameters: 100kHz, 0.25V, 0.0Adc.

(2) Isat Amperes peak for approximately 30% roll off (@25℃)

(3) Irms: current for an approximate △T of 40℃ without core loss. It is recommended that the temperature of the part not exceed 125℃. PCB layout, trace thickness and width, air-flow, and proximity of other heat generating components will affect the temperature rise. It is recommended that the temperature of the part not exceed 125℃ under worst case operating conditions verified in the end application.

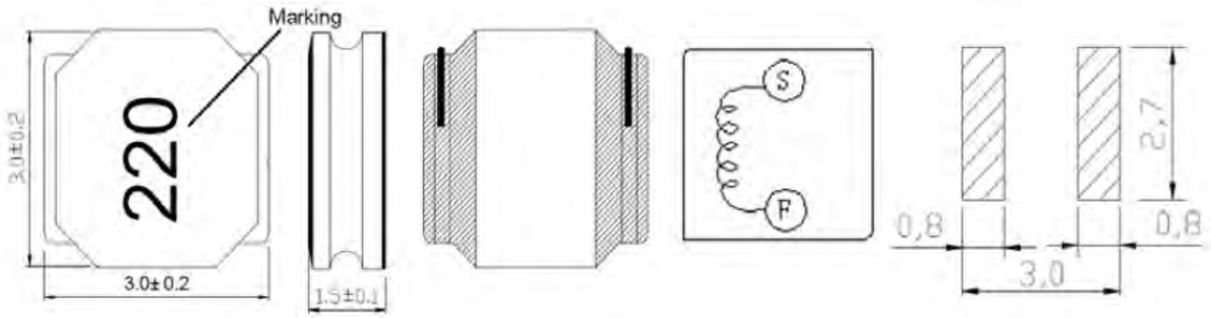
OWINR3015C TYPE

FEATURES

- 125℃ maximum total temperature operation
- 3.0mm x 3.0mm x 1.5mm shielded drum core
- Ferrite core material
- Inductance range from 1.0uH to 47.0uH
- Current range from 2.1 Amps to 0.30Amps
- Frequency range up to 1MHz

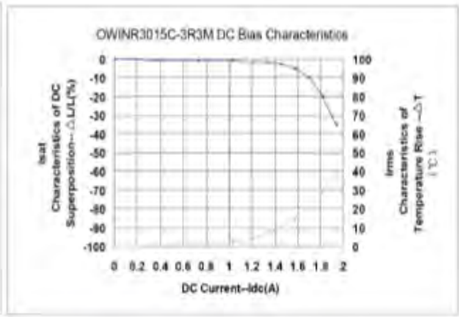
APPLICATIONS

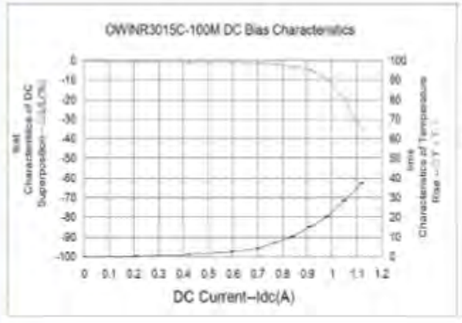
- Notebook power, Portable devices
- Wireless modems, ADSL line cards
- Point of load power supplies
- Battery chargers, Video Cards
- MP3 player, PDA's, DVD players
- Navigation system, LCD backlighting
- Buck, Boost, or Forward inductor

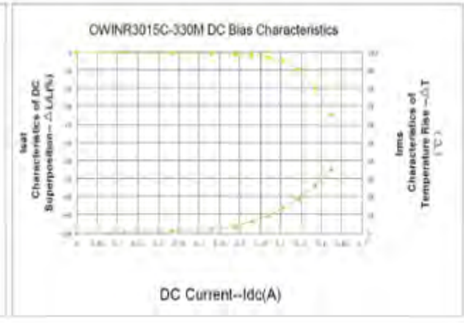


ELECTRICAL CHARACTERISTICS FOR OWINR3015C SERIES

Part Number	Inductance (uH)(1)	DCR(Ω Typ) @25℃	Isat (2) (A) Amperes	Irms (3) (A) Amperes	SRF (MHz) Typ.
OWINR3015C-1R0N	1.00±30%	0.030±20%	2.100	2.100	
OWINR3015C-1R5N	1.50±30%	0.040±20%	1.800	1.820	
OWINR3015C-2R2M	2.20±20%	0.060±20%	1.480	1.500	
OWINR3015C-3R3M	3.30±20%	0.080±20%	1.210	1.230	
OWINR3015C-4R7M	4.70±20%	0.120±20%	1.020	1.040	
OWINR3015C-6R8M	6.80±20%	0.160±20%	0.870	0.880	
OWINR3015C-100M	10.0±20%	0.230±20%	0.700	0.710	
OWINR3015C-150M	15.0±20%	0.360±20%	0.560	0.560	
OWINR3015C-220M	22.0±20%	0.520±20%	0.470	0.470	
OWINR3015C-330M	33.0±20%	0.840±20%	0.390	0.370	
OWINR3015C-470M	47.0±20%	1.340±20%	0.320	0.300	







(1) Open Circuit Inductance Test Parameters: 100kHz, 0.25V, 0.0Adc.

(2) Isat Amperes peak for approximately 30% roll off (@25℃)

(3) Irms: current for an approximate △T of 40℃ without core loss. It is recommended that the temperature of the part not exceed 125℃. PCB layout, trace thickness and width, air-flow, and proximity of other heat generating components will affect the temperature rise. It is recommended that the temperature of the part not exceed 125℃ under worst case operating conditions verified in the end application.

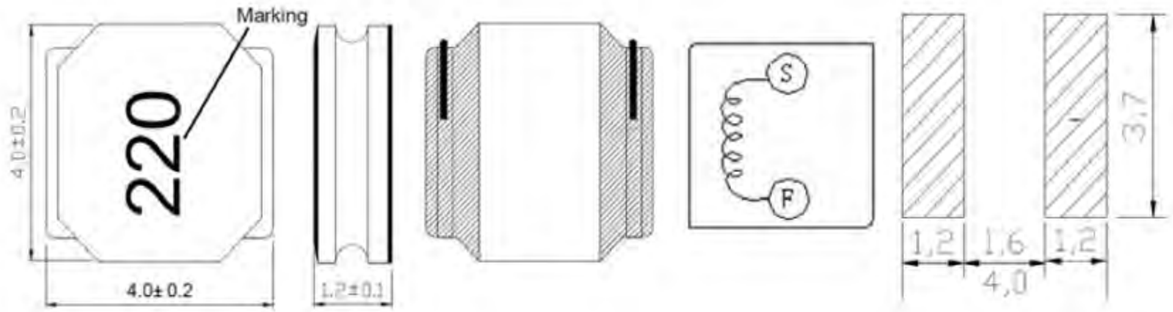
OWINR4012C TYPE

FEATURES

- 125℃ maximum total temperature operation
- 4.0mm x 4.0mm x 1.2mm shielded drum core
- Ferrite core material
- Inductance range from 1.0uH to 47.0uH
- Current range from 1.5Amps to 0.35Amps
- Frequency range up to 1MHz

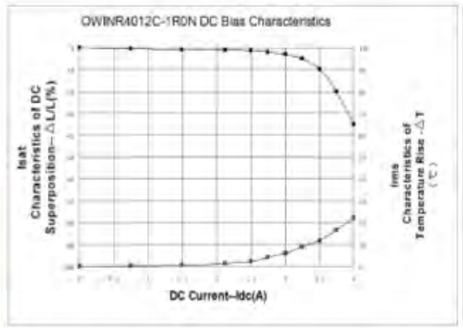
APPLICATIONS

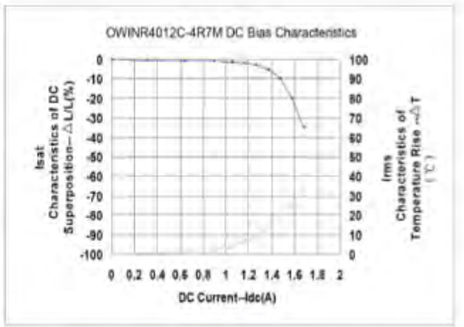
- Notebook power, Portable devices
- Wireless modems, ADSL line cards
- Point of load power supplies
- Battery chargers, Video Cards
- MP3 player, PDA's, DVD players
- Navigation system, LCD backlighting
- Buck, Boost, or Forward inductor

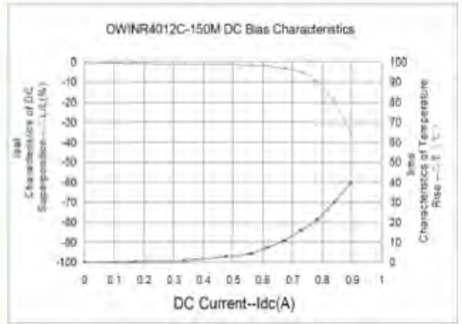


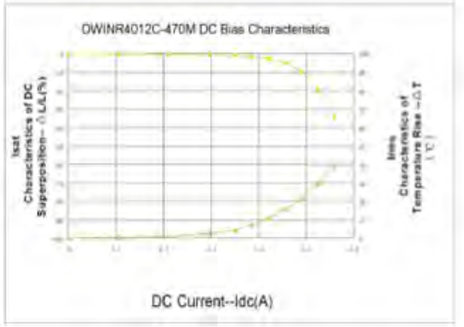
ELECTRICAL CHARACTERISTICS FOR OWINR4012C SERIES

Part Number	Inductance (uH)(1)	DCR(Ω Typ) @25℃	Isat (2) (A) Amperes	Irms (3) (A) Amperes	SRF (MHz) Typ.
OWINR4012C-1R0N	1.00±30%	0.060±20%	2.500	1.500	
OWINR4012C-2R2M	2.20±20%	0.090±20%	1.650	1.200	
OWINR4012C-3R3M	3.30±20%	0.130±20%	1.200	0.980	
OWINR4012C-4R7M	4.70±20%	0.140±20%	1.050	0.960	
OWINR4012C-6R8M	6.80±20%	0.180±20%	0.900	0.840	
OWINR4012C-100M	10.0±20%	0.240±20%	0.740	0.770	
OWINR4012C-150M	15.0±20%	0.400±20%	0.560	0.600	
OWINR4012C-220M	22.0±20%	0.480±20%	0.510	0.540	
OWINR4012C-330M	33.0±20%	0.810±20%	0.400	0.420	
OWINR4012C-470M	47.0±20%	1.000±20%	0.350	0.370	









(1) Open Circuit Inductance Test Parameters: 100kHz, 0.25V, 0.0Adc.

(2) Isat Amperes peak for approximately 30% roll off (@25℃)

(3) Irms: current for an approximate △T of 40℃ without core loss. It is recommended that the temperature of the part not exceed 125℃. PCB layout, trace thickness and width, air-flow, and proximity of other heat generating components will affect the temperature rise. It is recommended that the temperature of the part not exceed 125℃ under worst case operating conditions verified in the end application.

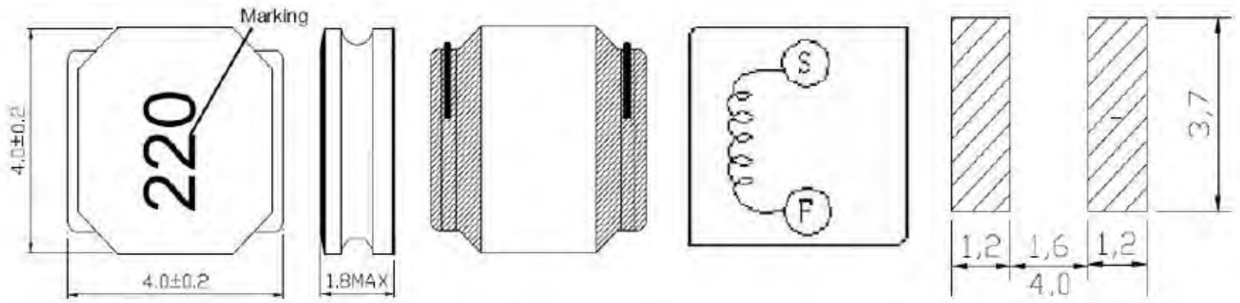
OWINR4018C TYPE

FEATURES

- 125℃ maximum total temperature operation
- 4.0mm x 4.0mm x 1.8mm shielded drum core
- Ferrite core material
- Inductance range from 1.0uH to 220uH
- Current range from 1.83Amps to 0.17Amps
- Frequency range up to 1MHz

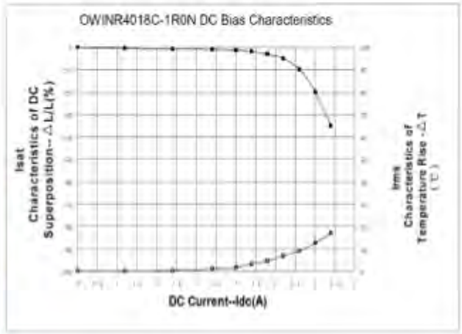
APPLICATIONS

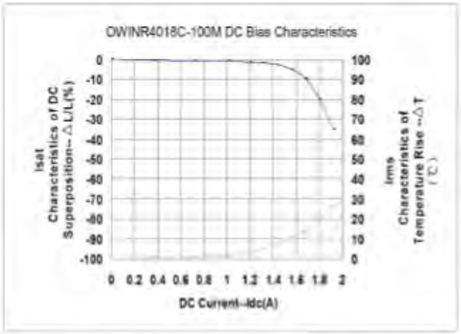
- Notebook power, Portable devices
- Wireless modems, ADSL line cards
- Point of load power supplies
- Battery chargers, Video Cards
- MP3 player, PDA's, DVD players
- Navigation system, LCD backlighting
- Buck, Boost, or Forward inductor

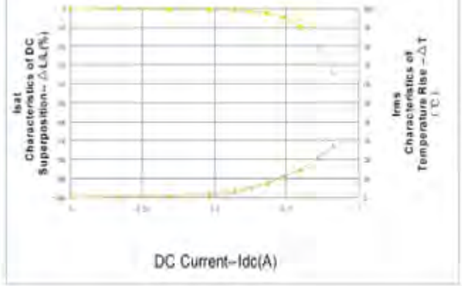


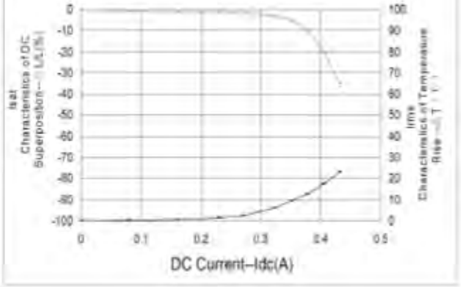
ELECTRICAL CHARACTERISTICS FOR OWINR4018C SERIES

Part Number	Inductance (uH)(1)	DCR(Ω Typ) @25℃	Isat (2) (A) Amperes	Irms (3) (A) Amperes	SRF (MHz) Typ.
OWINR4018C-1R0N	1.00±30%	0.030±20%	4.000	1.830	
OWINR4018C-2R2M	2.20±20%	0.060±20%	2.700	1.440	
OWINR4018C-3R3M	3.30±20%	0.070±20%	2.000	1.230	
OWINR4018C-4R7M	4.70±20%	0.090±20%	1.700	1.200	
OWINR4018C-6R8M	6.80±20%	0.110±20%	1.450	1.060	
OWINR4018C-100M	10.0±20%	0.180±20%	1.200	0.840	
OWINR4018C-150M	15.0±20%	0.250±20%	0.940	0.650	
OWINR4018C-220M	22.0±20%	0.360±20%	0.800	0.590	
OWINR4018C-330M	33.0±20%	0.530±20%	0.650	0.490	
OWINR4018C-470M	47.0±20%	0.650±20%	0.570	0.420	
OWINR4018C-680M	68.0±20%	1.00±20%	0.470	0.320	
OWINR4018C-101M	100.0±20%	1.50±20%	0.400	0.270	
OWINR4018C-151M	150.0±20%	2.50±20%	0.310	0.220	
OWINR4018C-221M	220.0±20%	4.00±20%	0.270	0.170	









(1) Open Circuit Inductance Test Parameters: 100kHz, 0.25V, 0.0Adc.

(2) Isat Amperes peak for approximately 30% roll off (@25℃)

(3) Irms: current for an approximate △T of 40℃ without core loss. It is recommended that the temperature of the part not exceed 125℃. PCB layout, trace thickness and width, air-flow, and proximity of other heat generating components will affect the temperature rise. It is recommended that the temperature of the part not exceed 125℃ under worst case operating conditions verified in the end application.

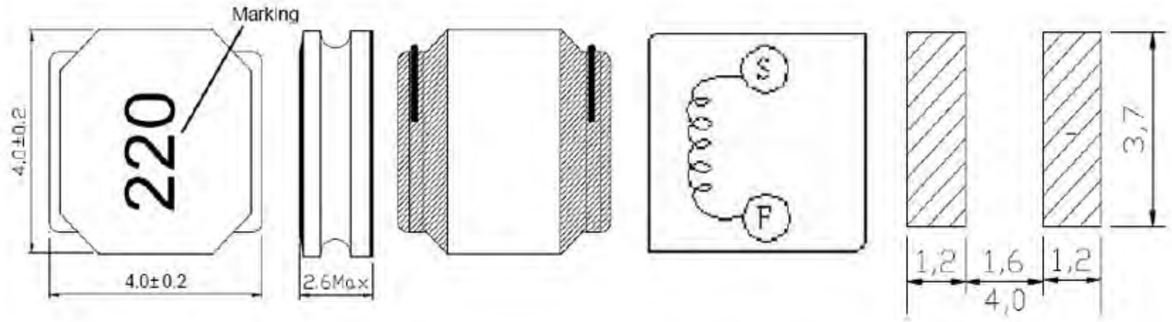
OWINR4026C TYPE

FEATURES

- 125℃ maximum total temperature operation
- 4.0mm x 4.0mm x 2.6mm shielded drum core
- Ferrite core material
- Inductance range from 1.2uH to 47.0uH
- Current range from 2.30Amps to 0.41Amps
- Frequency range up to 1MHz

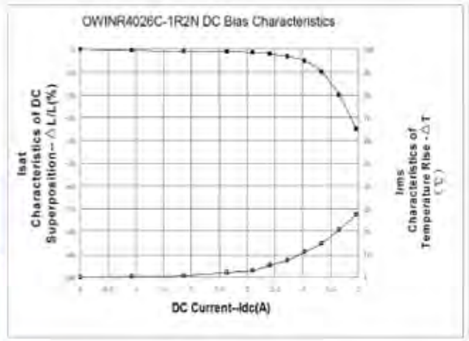
APPLICATIONS

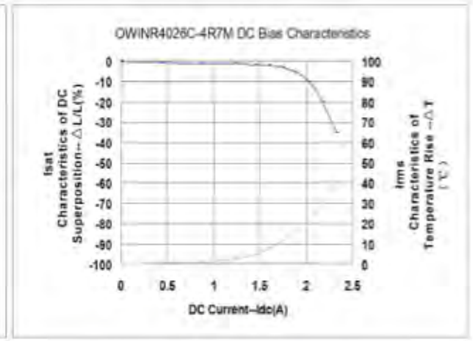
- Notebook power, Portable devices
- Wireless modems, ADSL line cards
- Point of load power supplies
- Battery chargers, Video Cards
- MP3 player, PDA's, DVD players
- Navigation system, LCD backlighting
- Buck, Boost, or Forward inductor

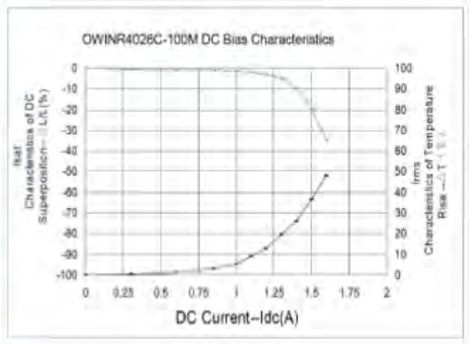


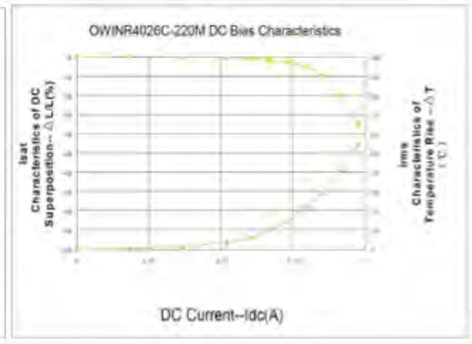
ELECTRICAL CHARACTERISTICS FOR OWINR4026C SERIES

Part Number	Inductance (uH)(1)	DCR(Ω Typ) @25℃	Isat (2) (A) Amperes	Irms (3) (A) Amperes	SRF (MHz) Typ.
OWINR4026C-1R2N	1.20±30%	0.030±30%	3.100	2.300	
OWINR4026C-2R3M	2.30±30%	0.040±30%	2.100	1.970	
OWINR4026C-3R5M	3.50±20%	0.050±30%	1.800	1.700	
OWINR4026C-4R7M	4.70±20%	0.055±30%	1.450	1.600	
OWINR4026C-6R6M	6.60±20%	0.065±30%	1.300	1.500	
OWINR4026C-100M	10.0±20%	0.085±30%	1.000	1.300	
OWINR4026C-150M	15.0±20%	0.110±30%	0.900	1.100	
OWINR4026C-220M	22.0±20%	0.165±30%	0.610	0.900	
OWINR4026C-330M	33.0±20%	0.200±30%	0.540	0.800	
OWINR4026C-470M	47.0±20%	0.300±30%	0.410	0.650	









(1) Open Circuit Inductance Test Parameters: 100kHz, 0.25V, 0.0Adc.

(2) Isat Amperes peak for approximately 30% roll off (@25℃)

(3) Irms: current for an approximate △T of 40℃ without core loss. It is recommended that the temperature of the part not exceed 125℃. PCB layout, trace thickness and width, air-flow, and proximity of other heat generating components will affect the temperature rise. It is recommended that the temperature of the part not exceed 125℃ under worst case operating conditions verified in the end application.

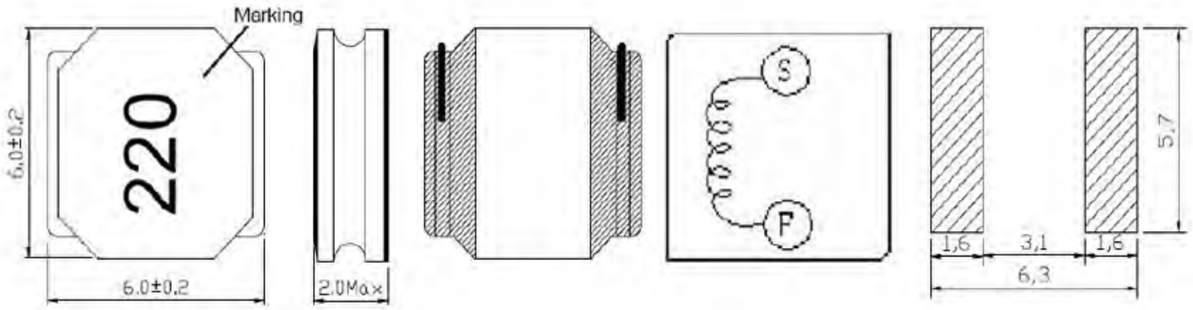
OWINR6020C TYPE

FEATURES

- 125℃ maximum total temperature operation
- 6.0mm x 6.0mm x 2.0mm shielded drum core
- Ferrite core material
- Inductance range from 0.8uH to 22uH
- Current range from 3.80Amps to 0.95Amps
- Frequency range up to 1MHz

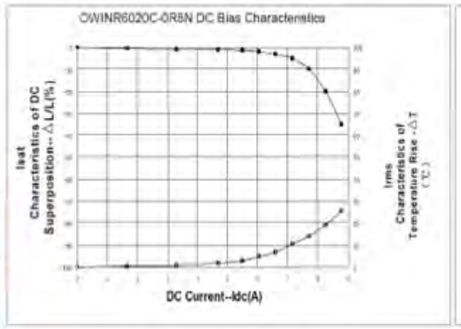
APPLICATIONS

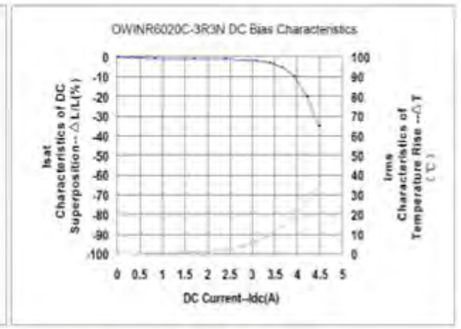
- Notebook power, Portable devices
- Wireless modems, ADSL line cards
- Point of load power supplies
- Battery chargers, Video Cards
- MP3 player, PDA's, DVD players
- Navigation system, LCD backlighting
- Buck, Boost, or Forward inductor

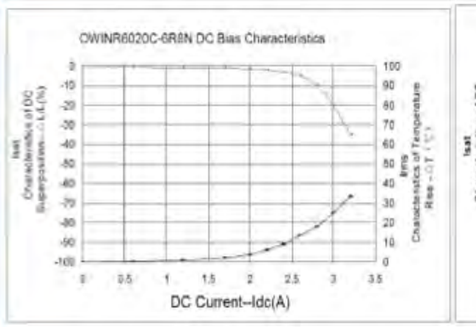


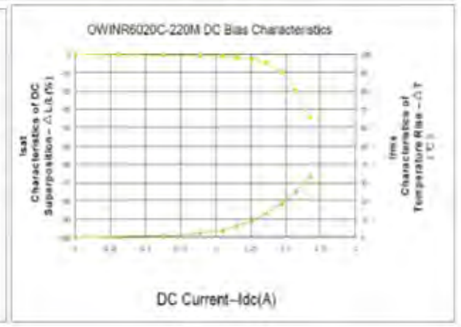
ELECTRICAL CHARACTERISTICS FOR OWINR6020C SERIES

Part Number	Inductance (uH)(1)	DCR(Ω Typ) @25℃	Isat (2) (A) Amperes	Irms (3) (A) Amperes	SRF (MHz) Typ.
OWINR6020C-0R8N3A8	0.80±30%	0.020±30%	5.500	3.800	
OWINR6020C-1R5N3A2	1.50±30%	0.026±30%	4.000	3.200	
OWINR6020C-2R2N2A7	2.20±30%	0.034±30%	3.200	2.700	
OWINR6020C-3R3N2A6	3.30±30%	0.040±30%	2.800	2.600	
OWINR6020C-4R7N2A0	4.70±30%	0.058±30%	2.400	2.000	
OWINR6020C-6R8N1A8	6.80±30%	0.085±30%	2.000	1.800	
OWINR6020C-100M1A4	10.0±20%	0.125±30%	1.700	1.400	
OWINR6020C-220MA95	22.0±20%	0.290±30%	1.050	0.950	









(1) Open Circuit Inductance Test Parameters: 100kHz, 0.25V, 0.0Adc.

(2) Isat Amperes peak for approximately 30% roll off (@25℃)

(3) Irms: current for an approximate △T of 40℃ without core loss. It is recommended that the temperature of the part not exceed 125℃. PCB layout, trace thickness and width, air-flow, and proximity of other heat generating components will affect the temperature rise. It is recommended that the temperature of the part not exceed 125℃ under worst case operating conditions verified in the end application.

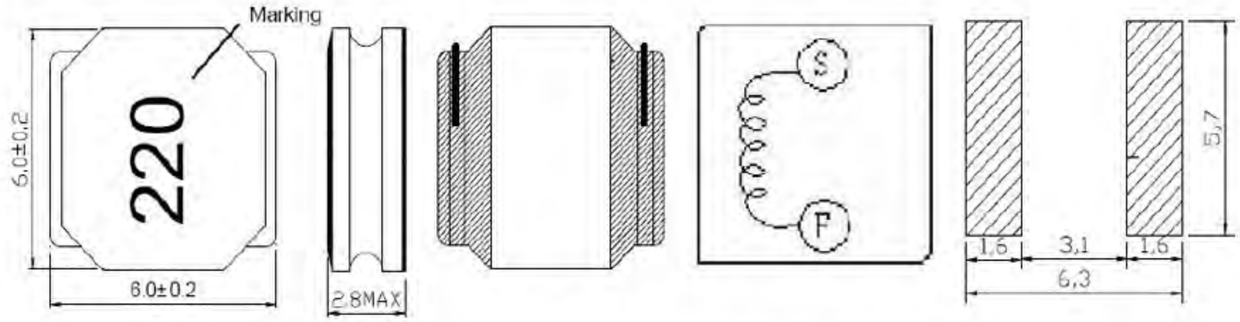
OWINR6028C TYPE

FEATURES

- 125℃ maximum total temperature operation
- 6.0mm x 6.0mm x 2.8mm shielded drum core
- Ferrite core material
- Inductance range from 0.9uH to 100uH
- Current range from 4.6Amps to 0.62Amps
- Frequency range up to 1MHz

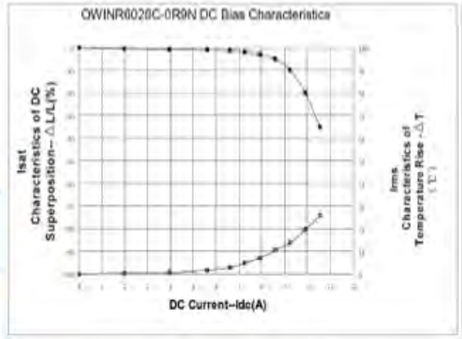
APPLICATIONS

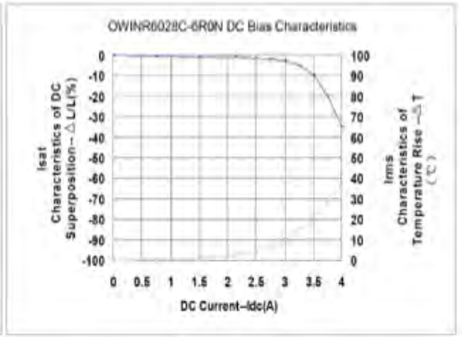
- Notebook power, Portable devices
- Wireless modems, ADSL line cards
- Point of load power supplies
- Battery chargers, Video Cards
- MP3 player, PDA's, DVD players
- Navigation system, LCD backlighting
- Buck, Boost, or Forward inductor

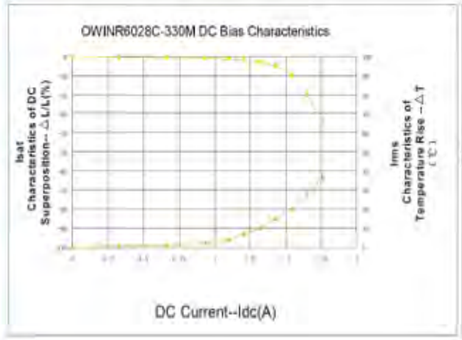


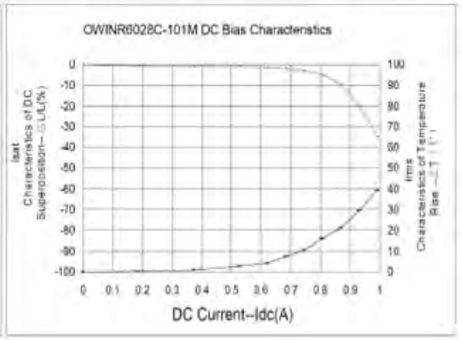
ELECTRICAL CHARACTERISTICS FOR OWINR6028C SERIES

Part Number	Inductance (uH)(1)	DCR(Ω Typ) @25℃	Isat (2) (A) Amperes	Irms (3) (A) Amperes	SRF (MHz) Typ.
OWINR6028C-0R9N4A6	0.90±30%	0.013±30%	6.600	4.600	
OWINR6028C-1R5N4A2	1.50±30%	0.016±30%	5.000	4.200	
OWINR6028C-2R2N3A7	2.20±30%	0.020±30%	4.200	3.700	
OWINR6028C-3R0N3A4	3.00±30%	0.023±30%	3.600	3.400	
OWINR6028C-4R7M2A7	4.70±20%	0.031±30%	2.700	3.000	
OWINR6028C-6R0M2A5	6.00±20%	0.040±30%	2.500	2.500	
OWINR6028C-100M1A9	10.0±20%	0.065±30%	1.900	1.900	
OWINR6028C-150M1A6	15.0±20%	0.950±30%	1.600	1.800	
OWINR6028C-220M1A3	22.0±20%	0.135±30%	1.300	1.400	
OWINR6028C-330M1A1	33.0±20%	0.220±30%	1.100	1.100	
OWINR6028C-470MA92	47.0±20%	0.300±30%	0.950	0.920	
OWINR6028C-680MA76	68.0±20%	0.420±30%	0.760	0.770	
OWINR6028C-101MA62	100±20%	0.600±30%	0.620	0.660	









(1) Open Circuit Inductance Test Parameters: 100kHz, 0.25V, 0.0Adc.

(2) Isat Amperes peak for approximately 30% roll off (@25℃)

(3) Irms: current for an approximate △T of 40℃ without core loss. It is recommended that the temperature of the part not exceed 125℃. PCB layout, trace thickness and width, air-flow, and proximity of other heat generating components will affect the temperature rise. It is recommended that the temperature of the part not exceed 125℃ under worst case operating conditions verified in the end application.

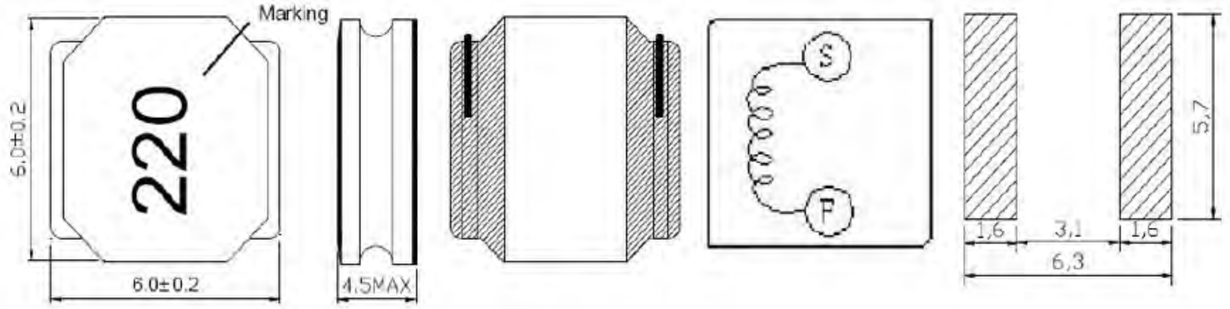
OWINR6045C TYPE

FEATURES

- 125℃ maximum total temperature operation
- 6.0mm x 6.0mm x 4.5mm shielded drum core
- Ferrite core material
- Inductance range from 1.0uH to 100uH
- Current range from 4.2Amps to 0.7Amps
- Frequency range up to 1MHz

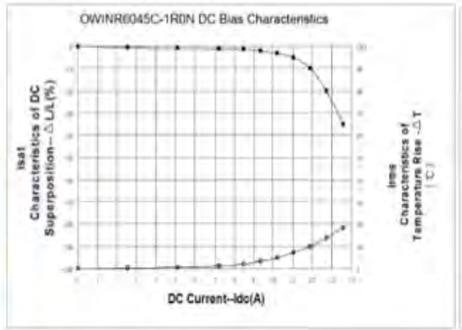
APPLICATIONS

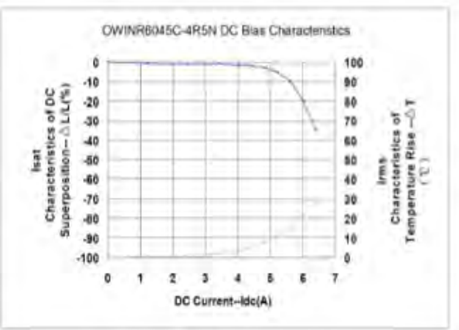
- Notebook power, Portable devices
- Wireless modems, ADSL line cards
- Point of load power supplies
- Battery chargers, Video Cards
- MP3 player, PDA's, DVD players
- Navigation system, LCD backlighting
- Buck, Boost, or Forward inductor

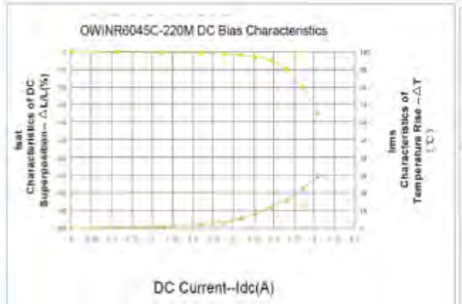


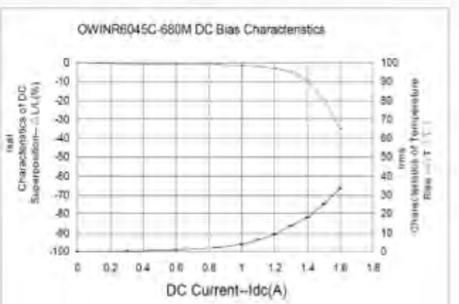
ELECTRICAL CHARACTERISTICS FOR OWINR6045C SERIES

Part Number	Inductance (uH)(1)	DCR(Ω Typ) @25℃	Isat (2) (A) Amperes	Irms (3) (A) Amperes	SRF (MHz) Typ.
OWINR6045C-1R0N4A2	1.00±30%	0.014±30%	8.500	4.200	
OWINR6045C-1R3N4A0	1.30±30%	0.016±30%	8.000	4.000	
OWINR6045C-1R8N3A7	1.80±30%	0.018±30%	7.000	3.700	
OWINR6045C-2R3N3A5	2.30±30%	0.021±30%	6.000	3.500	
OWINR6045C-3R0N3A2	3.00±30%	0.024±30%	5.000	3.200	
OWINR6045C-4R5M3A0	4.50±20%	0.031±30%	4.000	3.000	
OWINR6045C-6R3M2A8	6.30±20%	0.038±30%	3.800	2.800	
OWINR6045C-100M2A5	10.0±20%	0.047±30%	3.000	2.500	
OWINR6045C-150M1A9	15..0±20%	0.077±30%	2.300	1.900	
OWINR6045C-220M1A5	22.0±20%	0.115±30%	1.900	1.500	
OWINR6045C-330M1A4	33.0±20%	0.145±30%	1.500	1.400	
OWINR6045C-470M1A1	47.0±20%	0.220±30%	1.300	1.100	
OWINR6045C-680M0A9	68.0±20%	0.330±30%	1.000	0.900	
OWINR6045C-101M0A7	100±20%	0.500±30%	0.800	0.700	









(1) Open Circuit Inductance Test Parameters: 100kHz, 0.25V, 0.0Adc.

(2) Isat Amperes peak for approximately 30% roll off (@25℃)

(3) Irms: current for an approximate △T of 40℃ without core loss. It is recommended that the temperature of the part not exceed 125℃. PCB layout, trace thickness and width, air-flow, and proximity of other heat generating components will affect the temperature rise. It is recommended that the temperature of the part not exceed 125℃ under worst case operating conditions verified in the end application.

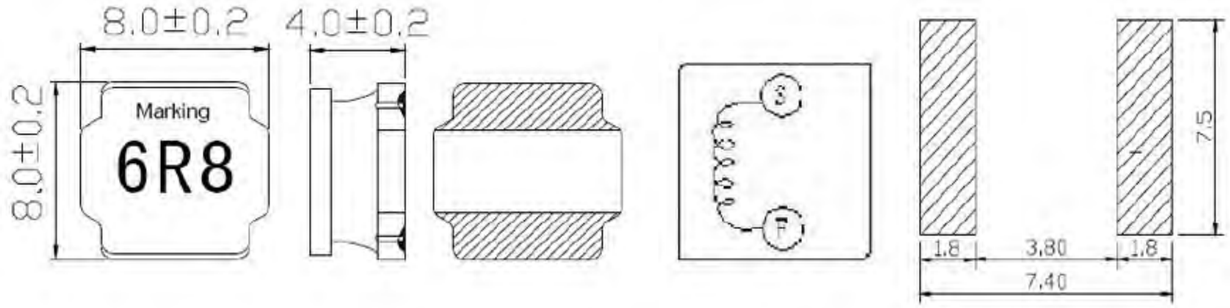
OWINR8040C TYPE

FEATURES

- 125℃ maximum total temperature operation
- 8.0mm x 8.0mm x 4.0mm shielded drum core
- Ferrite core material
- Inductance range from 0.9uH to 100uH
- Current range from 7.8Amps to 1.0Amps
- Frequency range up to 1MHz

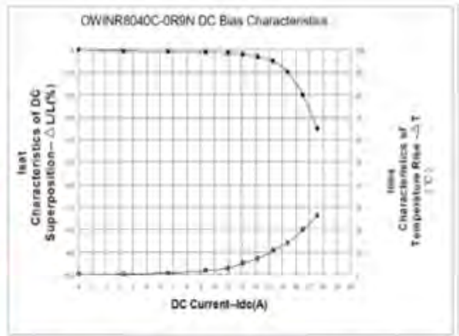
APPLICATIONS

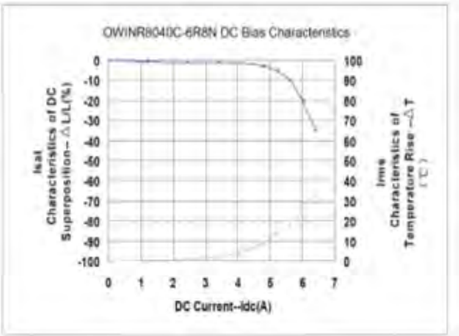
- Notebook power, Portable devices
- Wireless modems, ADSL line cards
- Point of load power supplies
- Battery chargers, Video Cards
- MP3 player, PDA's, DVD players
- Navigation system, LCD backlighting
- Buck, Boost, or Forward inductor

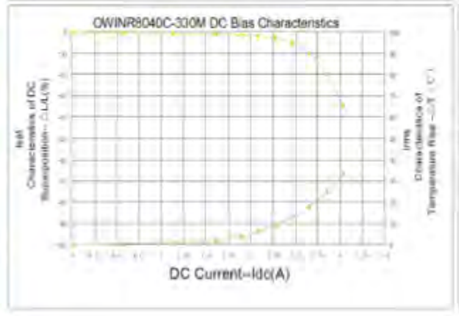


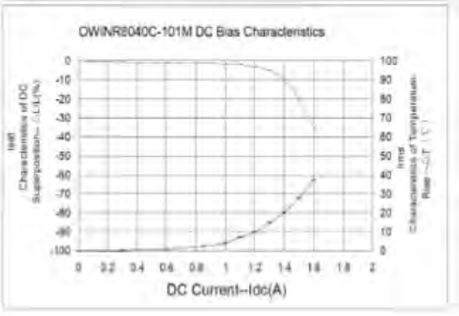
ELECTRICAL CHARACTERISTICS FOR OWINR8040C SERIES

Part Number	Inductance (uH)(1)	DCR(Ω Typ) @25℃	Isat (2) (A) Amperes	Irms (3) (A) Amperes	SRF (MHz) Typ.
OWINR8040C-0R9N7A8	0.90±30%	0.006±30%	11.000	7.800	
OWINR8040C-1R4N7A0	1.40±30%	0.007±30%	9.000	7.000	
OWINR8040C-2R0N6A3	2.00±30%	0.009±30%	7.400	6.300	
OWINR8040C-3R6N4A9	3.60±30%	0.015±30%	5.300	4.900	
OWINR8040C-4R7M4A1	4.70±20%	0.018±30%	4.700	4.100	
OWINR8040C-6R8M3A7	6.80±20%	0.025±30%	4.000	3.700	
OWINR8040C-100M3A1	10.0±20%	0.034±30%	3.400	3.100	
OWINR8040C-150M2A4	15.0±20%	0.050±30%	2.700	2.400	
OWINR8040C-220M2A2	22.0±20%	0.066±30%	2.200	2.200	
OWINR8040C-330M1A7	33.0±20%	0.100±30%	1.900	1.700	
OWINR8040C-470M1A4	47.0±20%	0.150±30%	1.500	1.400	
OWINR8040C-680M1A1	68.0±20%	0.230±30%	1.200	1.100	
OWINR8040C-101M1A0	100±20%	0.290±30%	1.000	1.000	









(1) Open Circuit Inductance Test Parameters: 100kHz, 0.25V, 0.0Adc.

(2) Isat Amperes peak for approximately 30% roll off (@25℃)

(3) Irms: current for an approximate △T of 40℃ without core loss. It is recommended that the temperature of the part not exceed 125℃. PCB layout, trace thickness and width, air-flow, and proximity of other heat generating components will affect the temperature rise. It is recommended that the temperature of the part not exceed 125℃ under worst case operating conditions verified in the end application.

OWI1212 TYPE

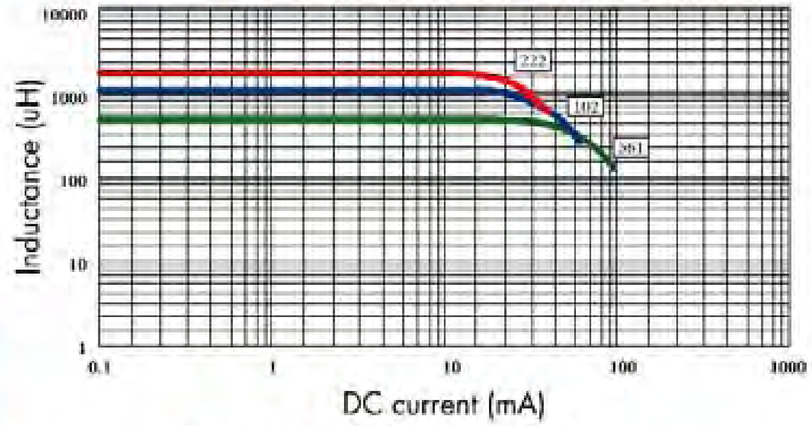
FEATURES

1. Low profile dimension (2.1mm MAX) and small size of 1212 (3.3 x 3.3mm) is suitable for portable equipment.
2. The series have low DC resistance.
3. BC1212. Series have large inductance of 560uH to 2200uH
4. Magnetically Shiedlded structure prevents interference Occurring between peripheral components.

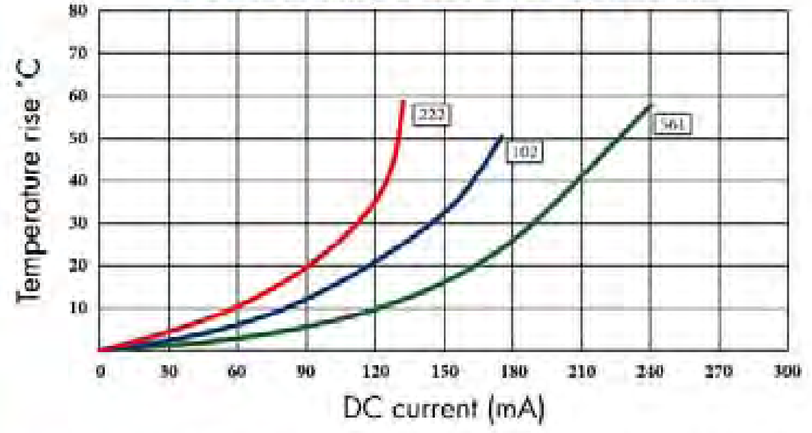
ELECTRICAL CHARACTERISTICS FOR OWI1212 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (mA)[3]	Temperature Current (mA)[4]
OWI1212-561	560	1KHZ	8.0	41	190
OWI1212-681	680	1KHZ	9.0	37	175
OWI1212-102	1000	1KHZ	12.0	30	145
OWI1212-152	1500	1KHZ	15.0	25	130
OWI1212-222	2200	1KHZ	23.5	20	110

OWI1212 Inductance decrease by current



OWI1212 Temperature rise by current



1. Inductance tested at 1V. Tolerance of inductance: ±30%(N)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 30% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

OWIR63B TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

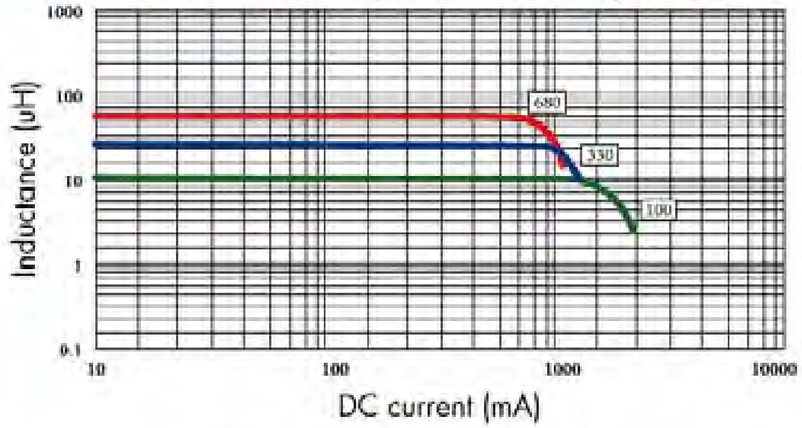
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

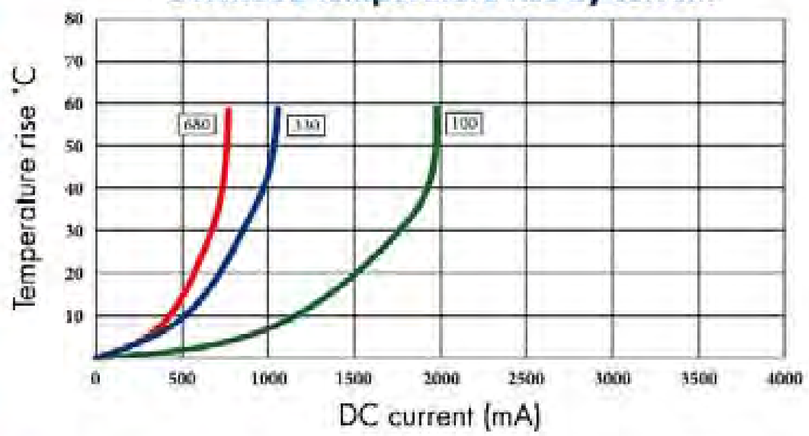
ELECTRICAL CHARACTERISTICS FOR OWIR63B SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIR63B-100	10	2.52MHZ	0.14	1.00	1.80
OWIR63B-120	12	2.52MHZ	0.16	0.94	1.53
OWIR63B-150	15	2.52MHZ	0.18	0.86	1.37
OWIR63B-180	18	2.52MHZ	0.25	0.78	1.23
OWIR63B-220	22	2.52MHZ	0.32	0.76	1.10
OWIR63B-270	27	2.52MHZ	0.36	0.64	0.99
OWIR63B-330	33	2.52MHZ	0.41	0.61	0.89
OWIR63B-390	39	2.52MHZ	0.47	0.53	0.80
OWIR63B-470	47	2.52MHZ	0.51	0.50	0.72
OWIR63B-560	56	2.52MHZ	0.72	0.46	0.64
OWIR63B-680	68	2.52MHZ	0.82	0.42	0.57

OWIR63B Inductance decrease by current



OWIR63B Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 10% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

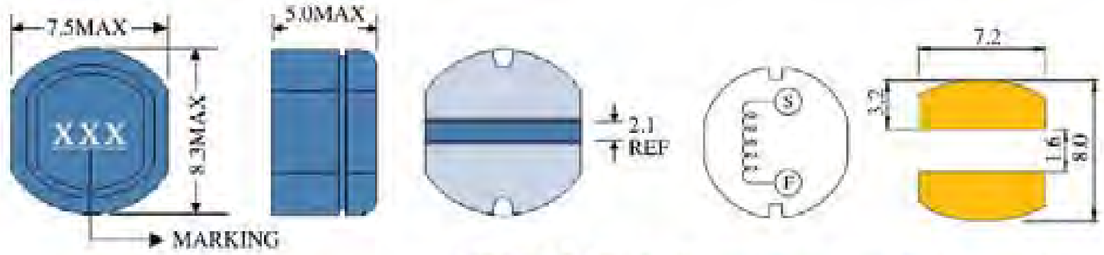
OWIR74B TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

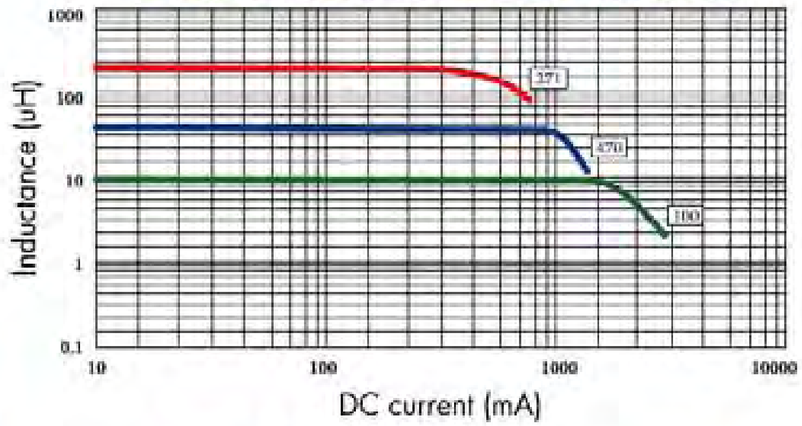
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



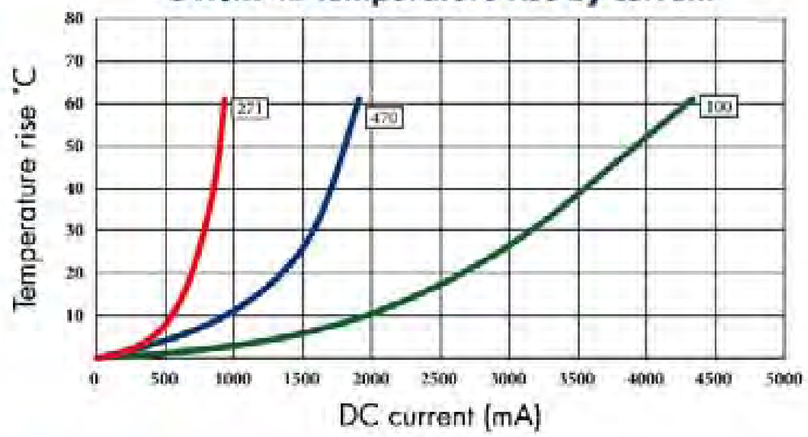
ELECTRICAL CHARACTERISTICS FOR OWIR74B SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIR74B-100	10	2.52KHZ	0.07	1.65	3.30
OWIR74B-120	12	2.52KHZ	0.07	1.57	3.00
OWIR74B-150	15	2.52KHZ	0.08	1.39	2.70
OWIR74B-180	18	2.52KHZ	0.10	1.29	2.43
OWIR74B-220	22	2.52KHZ	0.13	1.12	2.18
OWIR74B-270	27	2.52KHZ	0.16	1.06	1.96
OWIR74B-330	33	2.52KHZ	0.18	0.97	1.74
OWIR74B-390	39	2.52KHZ	0.18	0.91	1.64
OWIR74B-470	47	2.52KHZ	0.27	0.80	1.55
OWIR74B-560	56	2.52KHZ	0.29	0.76	1.47
OWIR74B-680	68	2.52KHZ	0.33	0.68	1.32
OWIR74B-820	82	2.52KHZ	0.43	0.62	1.20
OWIR74B-101	100	1KHZ	0.49	0.55	1.14
OWIR74B-121	120	1KHZ	0.68	0.49	1.08
OWIR74B-151	150	1KHZ	0.94	0.44	0.97
OWIR74B-181	180	1KHZ	1.00	0.40	0.87
OWIR74B-221	220	1KHZ	1.18	0.36	0.78
OWIR74B-271	270	1KHZ	1.30	0.33	0.70

OWIR74B Inductance decrease by current



OWIR74B Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 10% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

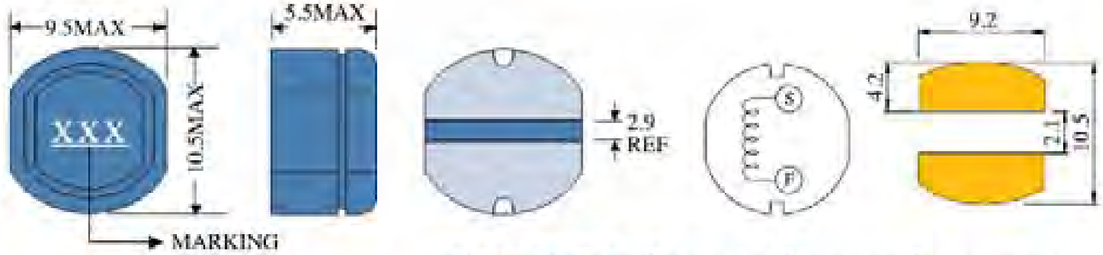
OWIR105B TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

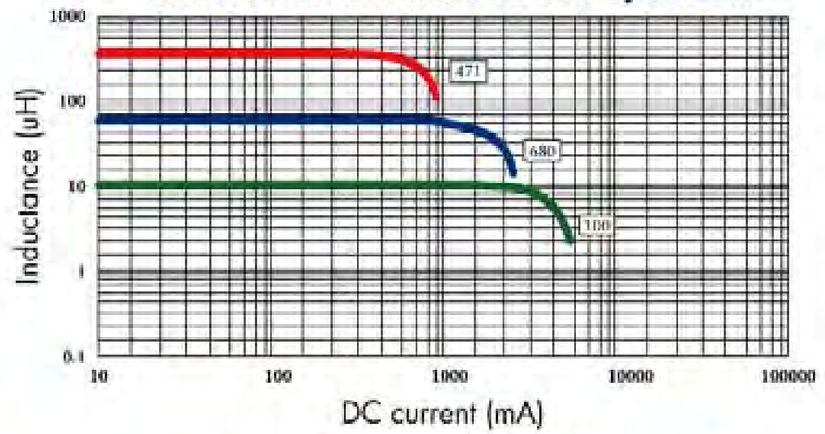
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



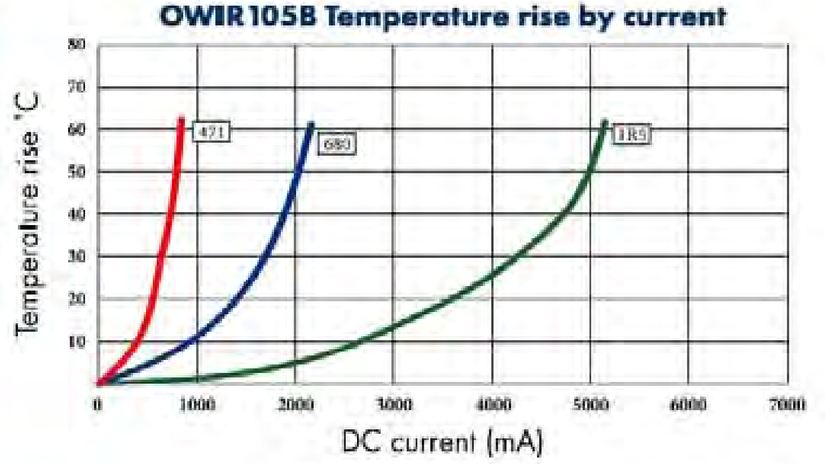
ELECTRICAL CHARACTERISTICS FOR OWIR105B SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIR105B-100	10	7.96KHZ	0.06	2.06	4.40
OWIR105B-120	12	7.96KHZ	0.07	1.94	4.00
OWIR105B-150	15	7.96KHZ	0.07	1.72	3.60
OWIR105B-180	18	7.96KHZ	0.08	1.58	3.24
OWIR105B-220	22	7.96KHZ	0.08	1.42	2.92
OWIR105B-270	27	7.96KHZ	0.10	1.32	2.63
OWIR105B-330	33	2.52KHZ	0.11	1.16	2.37
OWIR105B-390	39	2.52KHZ	0.12	1.10	2.14
OWIR105B-470	47	2.52KHZ	0.14	1.00	1.93
OWIR105B-560	56	2.52KHZ	0.19	0.93	1.74
OWIR105B-680	68	2.52KHZ	0.21	0.85	1.66
OWIR105B-820	82	2.52KHZ	0.28	0.79	1.57
OWIR105B-101	100	1KHZ	0.34	0.72	1.42
OWIR105B-121	120	1KHZ	0.37	0.63	1.28
OWIR105B-151	150	1KHZ	0.51	0.55	1.16
OWIR105B-181	180	1KHZ	0.57	0.50	1.05
OWIR105B-221	220	1KHZ	0.78	0.47	0.90
OWIR105B-271	270	1KHZ	0.87	0.41	0.86
OWIR105B-331	330	1KHZ	1.20	0.37	0.78
OWIR105B-391	390	1KHZ	1.34	0.35	0.70
OWIR105B-471	470	1KHZ	1.50	0.33	0.63

OWIR105B Inductance decrease by current



OWIR105B Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 10% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

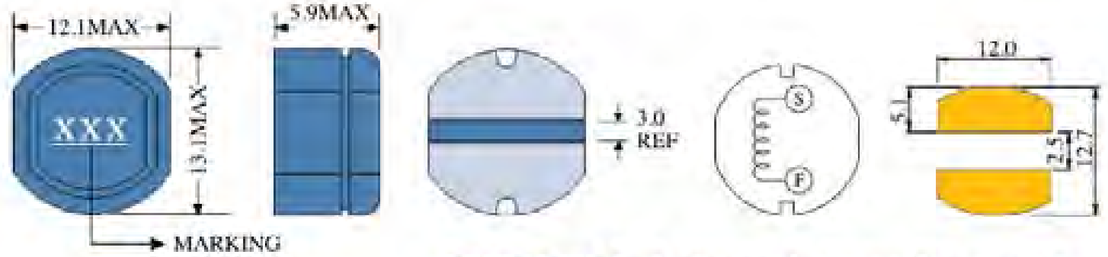
OWIR125B TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

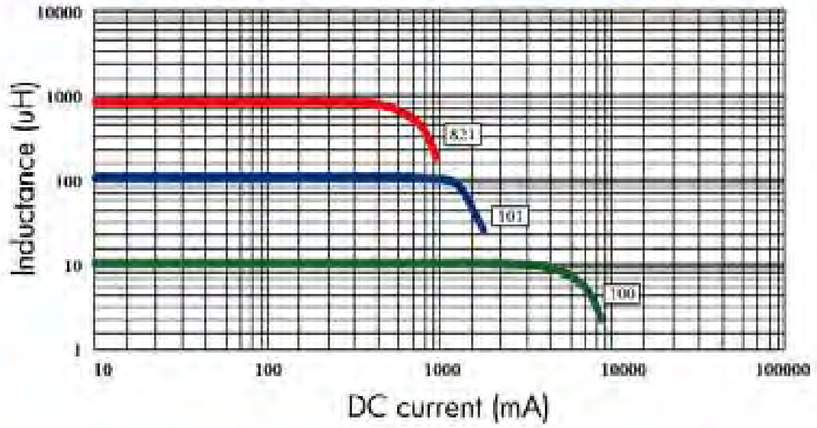
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



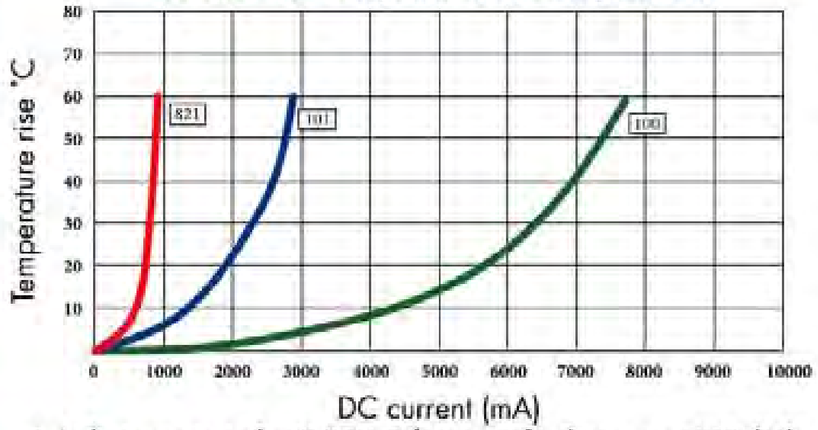
ELECTRICAL CHARACTERISTICS FOR OWIR125B SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIR125B-100	10	2.52KHZ	0.05	2.65	6.00
OWIR125B-120	12	2.52KHZ	0.05	2.50	5.40
OWIR125B-150	15	2.52KHZ	0.06	2.45	5.10
OWIR125B-180	18	2.52KHZ	0.06	2.40	4.80
OWIR125B-220	22	2.52KHZ	0.07	2.20	4.32
OWIR125B-270	27	2.52KHZ	0.08	2.00	3.88
OWIR125B-330	33	2.52KHZ	0.10	1.80	3.49
OWIR125B-390	39	2.52KHZ	0.11	1.62	3.14
OWIR125B-470	47	2.52KHZ	0.12	1.50	2.82
OWIR125B-560	56	2.52KHZ	0.15	1.38	2.67
OWIR125B-680	68	2.52KHZ	0.17	1.26	2.53
OWIR125B-820	82	2.52KHZ	0.20	1.14	2.40
OWIR125B-101	100	1KHZ	0.25	1.05	2.28
OWIR125B-121	120	1KHZ	0.28	0.95	2.17
OWIR125B-151	150	1KHZ	0.40	0.85	2.05
OWIR125B-181	180	1KHZ	0.48	0.77	1.95
OWIR125B-221	220	1KHZ	0.52	0.70	1.75
OWIR125B-271	270	1KHZ	0.70	0.63	1.57
OWIR125B-331	330	1KHZ	0.80	0.57	1.33
OWIR125B-391	390	1KHZ	1.08	0.52	1.13
OWIR125B-471	470	1KHZ	1.20	0.48	1.01
OWIR125B-561	560	1KHZ	1.34	0.44	0.91
OWIR125B-681	680	1KHZ	1.78	0.40	0.81
OWIR125B-821	820	1KHZ	2.00	0.36	0.74

OWIR125B Inductance decrease by current



OWIR125B Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 75% more than its nominal value (at 10uH~18uH) or it is 80% more than its nominal value (at 22uH~820uH) and temperature rising Δt=40°C lower at D.C superposition.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

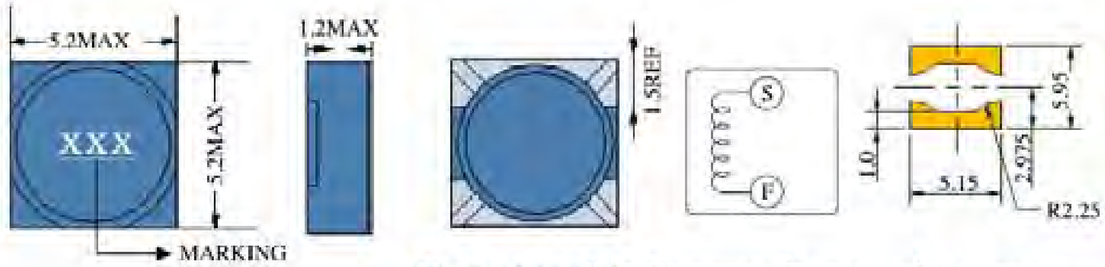
OWIMS5D12 TYPE

FEATURES

1. Inductance range from 4.7uH to 1000uH.
2. Current range from 3.4 to 0.066 Amps.
3. Ferrite shielded, low EMI.

APPLICATIONS

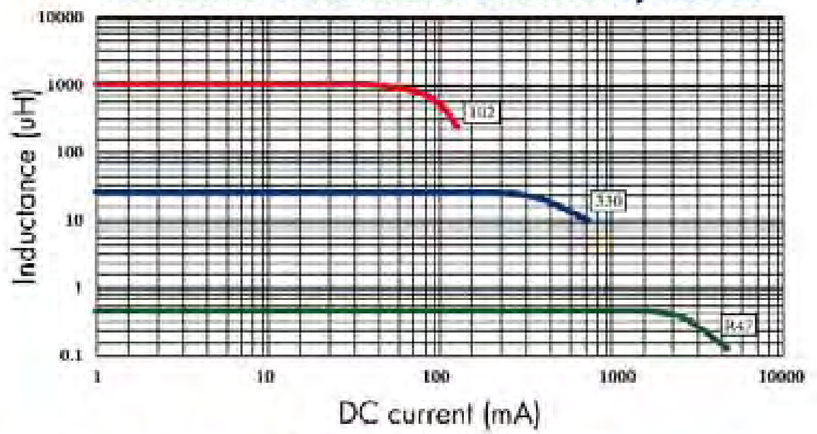
1. Digital cameras, CD players, cellular phones, and PCMCIA cards GPS systems



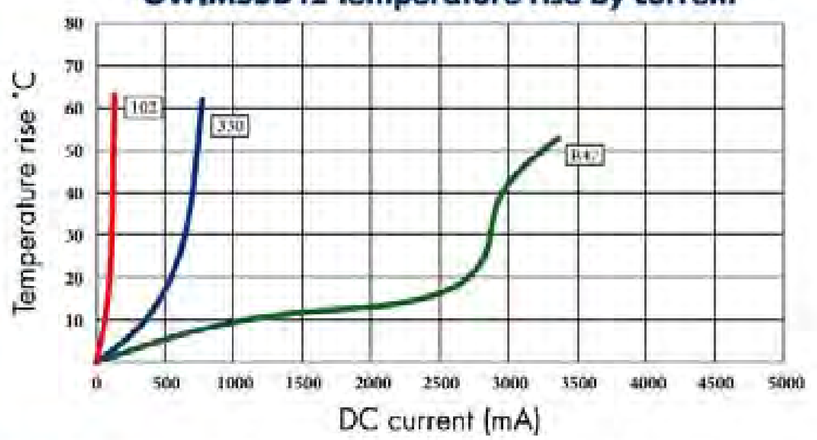
ELECTRICAL CHARACTERISTICS FOR OWIMS5D12 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIMS5D12-R47	0.47	100KHZ	27m	3.40	2.85
OWIMS5D12-1R2	1.2	100KHZ	40m	2.15	2.00
OWIMS5D12-1R5	1.5	100KHZ	57m	1.80	1.95
OWIMS5D12-2R2	2.2	100KHZ	82m	1.60	1.70
OWIMS5D12-3R3	3.3	100KHZ	115m	1.25	1.53
OWIMS5D12-4R7	4.7	100KHZ	129m	1.00	1.37
OWIMS5D12-6R2	6.2	100KHZ	187m	0.95	1.23
OWIMS5D12-8R2	8.2	100KHZ	264m	0.82	1.10
OWIMS5D12-100	10	100KHZ	313m	0.75	1.04
OWIMS5D12-150	15	100KHZ	450m	0.61	0.85
OWIMS5D12-220	22	100KHZ	697m	0.51	0.83
OWIMS5D12-330	33	100KHZ	1.02	0.40	0.66
OWIMS5D12-470	47	100KHZ	1.50	0.33	0.52
OWIMS5D12-680	68	100KHZ	2.37	0.29	0.41
OWIMS5D12-820	82	100KHZ	2.59	0.26	0.36
OWIMS5D12-101	100	100KHZ	2.90	0.23	0.32
OWIMS5D12-151	150	100KHZ	4.35	0.19	0.26
OWIMS5D12-221	220	100KHZ	5.23	0.16	0.23
OWIMS5D12-331	330	100KHZ	7.97	0.12	0.20
OWIMS5D12-471	470	100KHZ	10.50	0.10	0.18
OWIMS5D12-681	680	100KHZ	16.00	0.084	0.14
OWIMS5D12-821	820	100KHZ	17.76	0.075	0.12
OWIMS5D12-102	1000	100KHZ	23.40	0.066	0.11

OWIMS5D12 Inductance decrease by current



OWIMS5D12 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 0.47uH~8.2uH: ±30%(N) 10uH~1000uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 30% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

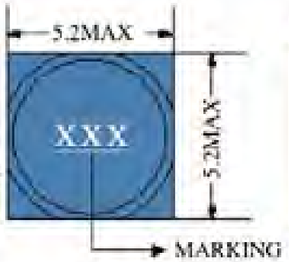
OWIMS5D14 TYPE

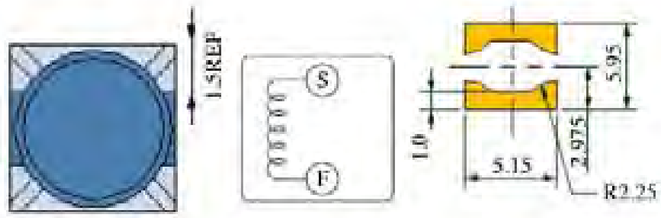
FEATURES

1. Inductance range from 0.58uH to 1000uH.
2. Current range from 4.84 to 0.114 Amps.
3. Ferrite shielded, low EMI.

APPLICATIONS

1. Digital cameras, CD players, cellular phones, and PCMCIA cards GPS systems

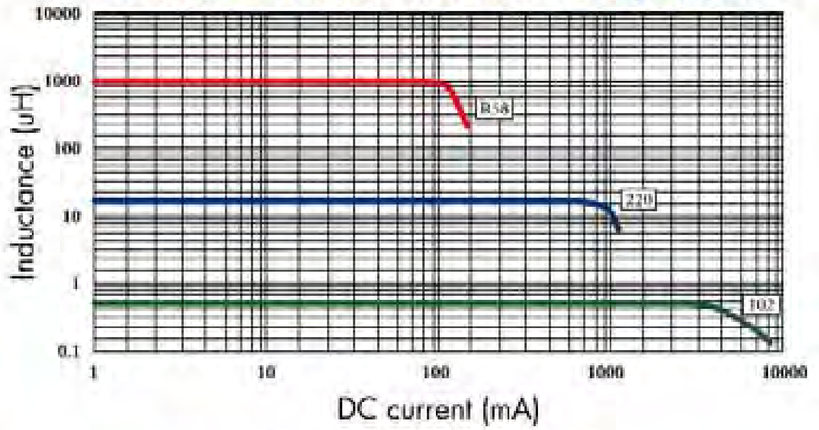




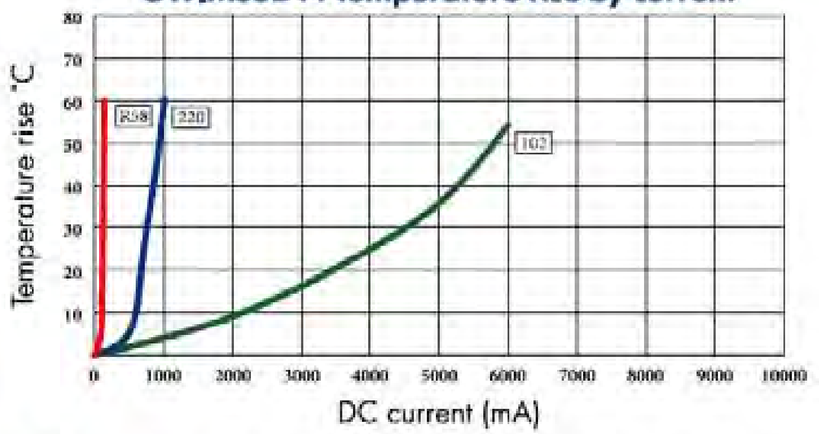
ELECTRICAL CHARACTERISTICS FOR OWIMS5D14 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIMS5D14-R58	0.58	100KHZ	24m	4.84	4.00
OWIMS5D14-R87	0.87	100KHZ	27m	3.70	3.60
OWIMS5D14-1R2	1.2	100KHZ	38m	3.10	3.20
OWIMS5D14-1R5	1.5	100KHZ	43m	2.85	2.80
OWIMS5D14-2R0	2.0	100KHZ	49m	2.56	2.37
OWIMS5D14-2R5	2.5	100KHZ	65m	2.29	1.90
OWIMS5D14-3R2	3.2	100KHZ	77m	2.00	1.80
OWIMS5D14-4R5	4.5	100KHZ	120m	1.60	1.62
OWIMS5D14-6R9	6.9	100KHZ	160m	1.35	1.30
OWIMS5D14-8R8	8.8	100KHZ	210m	1.25	1.17
OWIMS5D14-100	10	100KHZ	300m	1.10	1.05
OWIMS5D14-150	15	100KHZ	350m	0.91	0.94
OWIMS5D14-220	22	100KHZ	550m	0.76	0.76
OWIMS5D14-330	33	100KHZ	690m	0.61	0.60
OWIMS5D14-470	47	100KHZ	1.10	0.52	0.51
OWIMS5D14-680	68	100KHZ	1.80	0.44	0.43
OWIMS5D14-820	82	100KHZ	2.15	0.39	0.38
OWIMS5D14-101	100	100KHZ	2.80	0.35	0.32
OWIMS5D14-151	150	100KHZ	3.60	0.29	0.28
OWIMS5D14-221	220	100KHZ	4.32	0.24	0.25
OWIMS5D14-331	330	100KHZ	6.80	0.19	0.21
OWIMS5D14-471	470	100KHZ	13.0	0.17	0.16
OWIMS5D14-681	680	100KHZ	17.4	0.14	0.13
OWIMS5D14-821	820	100KHZ	20.2	0.125	0.12
OWIMS5D14-102	1000	100KHZ	22.6	0.114	0.11

OWIMS5D14 Inductance decrease by current



OWIMS5D14 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 0.58uH~8.8uH: ±30%(N) 10uH~1000uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 30% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

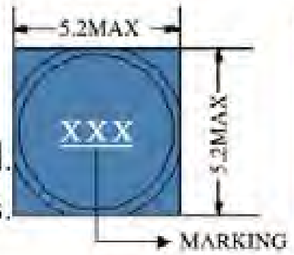
OWIMS5D18 TYPE

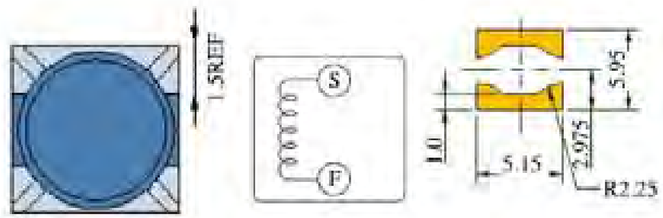
FEATURES

1. Inductance range from 0.47uH to 1000uH.
2. Current range from 4.63 to 0.102 Amps.
3. Ferrite shielded, low EMI.

APPLICATIONS

1. Digital cameras, CD players, cellular phones, and PCMCIA cards GPS systems

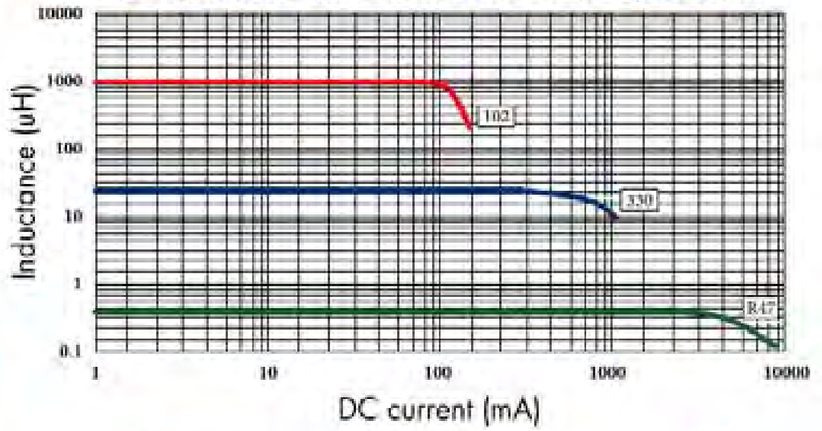




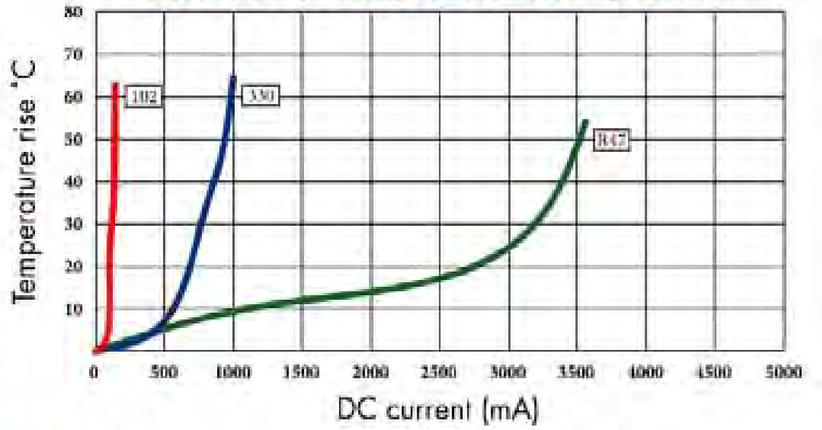
ELECTRICAL CHARACTERISTICS FOR OWIMS5D18 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIMS5D18-R47	0.47	100KHZ	22m	4.63	3.24
OWIMS5D18-R82	0.82	100KHZ	27m	3.60	2.75
OWIMS5D18-1R2	1.2	100KHZ	32m	2.95	2.46
OWIMS5D18-1R5	1.5	100KHZ	38m	2.49	2.40
OWIMS5D18-2R2	2.2	100KHZ	44m	2.16	2.35
OWIMS5D18-3R3	3.3	100KHZ	67m	1.71	2.23
OWIMS5D18-4R7	4.7	100KHZ	91m	1.54	1.80
OWIMS5D18-6R2	6.2	100KHZ	110m	1.30	1.62
OWIMS5D18-8R2	8.2	100KHZ	149m	1.12	1.45
OWIMS5D18-100	10	100KHZ	174m	0.982	1.30
OWIMS5D18-150	15	100KHZ	251m	0.831	1.11
OWIMS5D18-220	22	100KHZ	370m	0.689	0.94
OWIMS5D18-330	33	100KHZ	556m	0.568	0.80
OWIMS5D18-470	47	100KHZ	851m	0.470	0.61
OWIMS5D18-680	68	100KHZ	1.08	0.390	0.49
OWIMS5D18-820	82	100KHZ	1.43	0.356	0.44
OWIMS5D18-101	100	100KHZ	1.62	0.321	0.39
OWIMS5D18-151	150	100KHZ	2.80	0.263	0.33
OWIMS5D18-221	220	100KHZ	4.37	0.217	0.29
OWIMS5D18-331	330	100KHZ	5.35	0.177	0.24
OWIMS5D18-471	470	100KHZ	9.38	0.148	0.18
OWIMS5D18-681	680	100KHZ	12.0	0.124	0.15
OWIMS5D18-821	820	100KHZ	16.56	0.113	0.125
OWIMS5D18-102	1000	100KHZ	18.50	0.102	0.11

OWIMS5D18 Inductance decrease by current



OWIMS5D18 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 0.47uH~8.2uH: ±30%(N) 10uH~1000uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 30% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

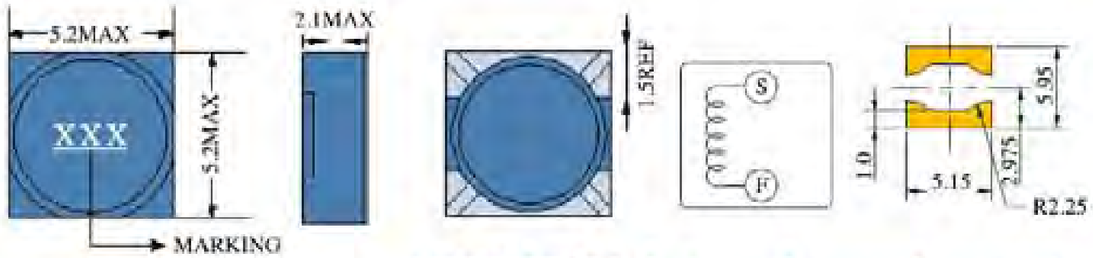
OWIMS5D20 TYPE

FEATURES

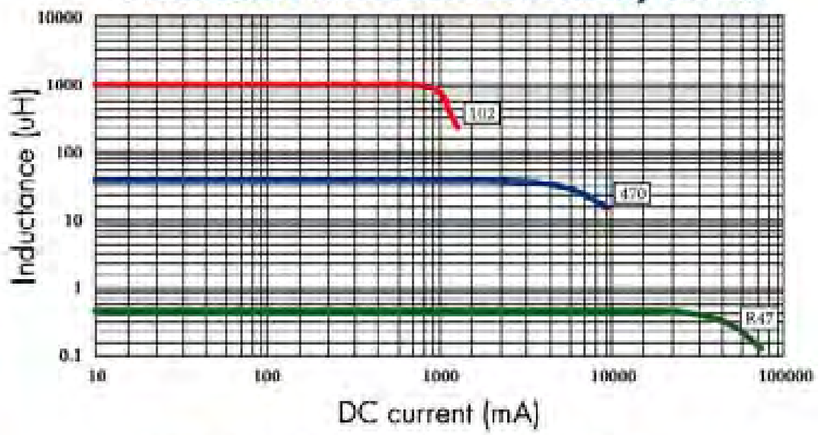
1. Inductance range from 0.47uH to 1000uH.
2. Current range from 4.0 to 0.088 Amps.
3. Ferrite shielded, low EMI.

APPLICATIONS

1. Digital cameras, CD players, cellular phones, and PCMCIA cards GPS systems



OWIMS5D20 Inductance decrease by current



OWIMS5D20 Temperature rise by current

ELECTRICAL CHARACTERISTICS FOR OWIMS5D20 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIMS5D20-R47	0.47	100KHZ	22m	4.00	3.10
OWIMS5D20-1R2	1.2	100KHZ	30m	2.55	2.70
OWIMS5D20-1R5	1.5	100KHZ	34m	2.15	2.50
OWIMS5D20-2R2	2.2	100KHZ	47m	1.87	2.37
OWIMS5D20-3R3	3.3	100KHZ	60m	1.47	2.20
OWIMS5D20-4R7	4.7	100KHZ	67m	1.33	2.02
OWIMS5D20-6R2	6.2	100KHZ	79m	1.12	1.81
OWIMS5D20-8R2	8.2	100KHZ	110m	0.966	1.62
OWIMS5D20-100	10	100KHZ	121m	0.903	1.45
OWIMS5D20-150	15	100KHZ	182m	0.718	1.37
OWIMS5D20-220	22	100KHZ	226m	0.596	1.17
OWIMS5D20-330	33	100KHZ	341m	0.491	0.99
OWIMS5D20-470	47	100KHZ	512m	0.406	0.82
OWIMS5D20-680	68	100KHZ	764m	0.337	0.72
OWIMS5D20-820	82	100KHZ	856m	0.308	0.57
OWIMS5D20-101	100	100KHZ	1.17	0.283	0.52
OWIMS5D20-151	150	100KHZ	1.65	0.228	0.46
OWIMS5D20-221	220	100KHZ	2.50	0.188	0.43
OWIMS5D20-331	330	100KHZ	3.84	0.155	0.34
OWIMS5D20-471	470	100KHZ	4.75	0.129	0.28
OWIMS5D20-681	680	100KHZ	7.80	0.107	0.20
OWIMS5D20-821	820	100KHZ	8.25	0.098	0.18
OWIMS5D20-102	1000	100KHZ	13.56	0.088	0.12

1. Inductance tested at 0.25V. Tolerance of inductance: 0.47uH~8.2uH: ±30%(N) 10uH~1000uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 30% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

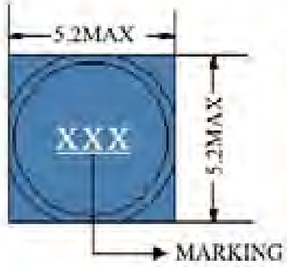
OWIMS5D25 TYPE

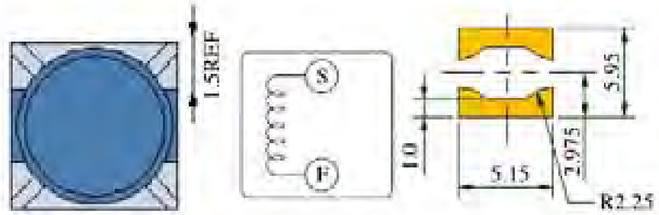
FEATURES

1. Inductance range from 0.50uH to 1000uH.
2. Current range from 4.9 to 0.1 Amps.
3. Ferrite shielded, low EMI.

APPLICATIONS

1. Digital cameras, CD players, cellular phones, and PCMCIA cards GPS systems

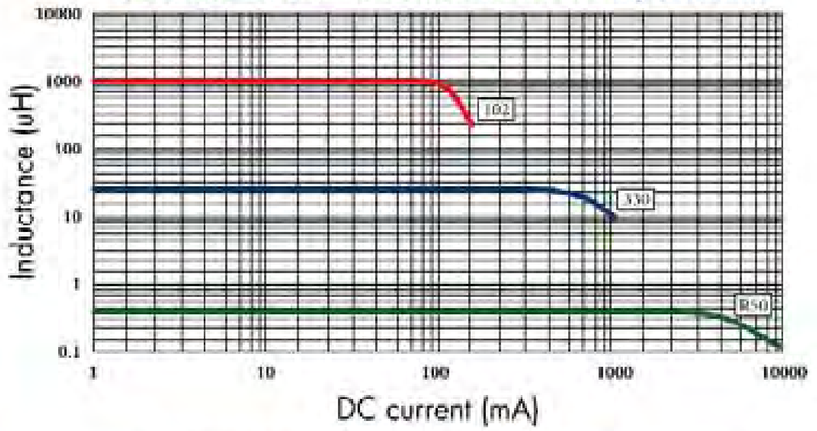




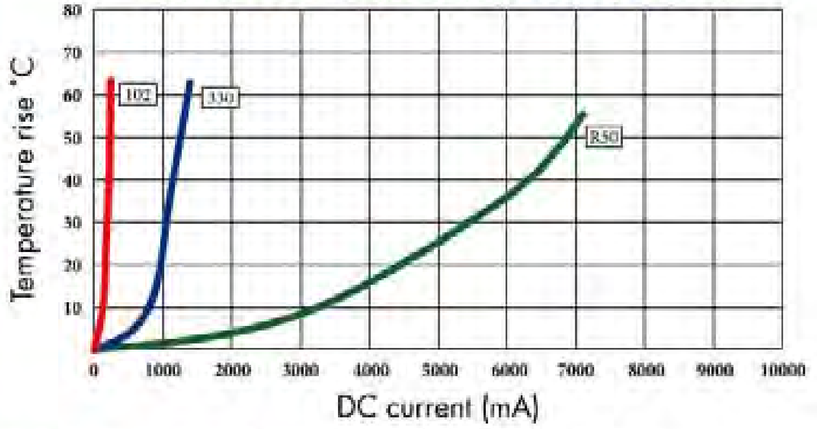
ELECTRICAL CHARACTERISTICS FOR OWIMS5D25 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIMS5D25-R50	0.50	100KHZ	19m	4.9	5.60
OWIMS5D25-R87	0.87	100KHZ	23m	3.6	5.00
OWIMS5D25-1R2	1.2	100KHZ	26m	3.2	4.50
OWIMS5D25-1R8	1.8	100KHZ	30m	2.5	3.60
OWIMS5D25-2R2	2.2	100KHZ	34m	2.2	3.24
OWIMS5D25-3R3	3.3	100KHZ	42m	1.8	2.46
OWIMS5D25-4R7	4.7	100KHZ	56m	1.5	2.21
OWIMS5D25-6R8	6.8	100KHZ	70m	1.25	1.98
OWIMS5D25-8R2	8.2	100KHZ	90m	1.18	1.78
OWIMS5D25-100	10	100KHZ	0.12	1.05	1.60
OWIMS5D25-150	15	100KHZ	0.13	0.93	1.44
OWIMS5D25-220	22	100KHZ	0.19	0.77	1.29
OWIMS5D25-330	33	100KHZ	0.33	0.63	1.04
OWIMS5D25-470	47	100KHZ	0.36	0.49	0.93
OWIMS5D25-680	68	100KHZ	0.57	0.41	0.75
OWIMS5D25-820	82	100KHZ	0.79	0.38	0.67
OWIMS5D25-101	100	100KHZ	0.82	0.35	0.58
OWIMS5D25-151	150	100KHZ	1.30	0.28	0.45
OWIMS5D25-221	220	100KHZ	2.10	0.22	0.40
OWIMS5D25-331	330	100KHZ	3.12	0.20	0.32
OWIMS5D25-471	470	100KHZ	4.70	0.16	0.27
OWIMS5D25-681	680	100KHZ	8.10	0.12	0.19
OWIMS5D25-821	820	100KHZ	8.65	0.11	0.18
OWIMS5D25-102	1000	100KHZ	9.72	0.10	0.17

OWIMS5D25 Inductance decrease by current



OWIMS5D25 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 0.5uH~8.2uH: ±30%(N) 10uH~1000uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 30% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

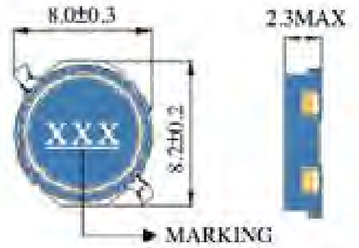
OWIH8020C TYPE

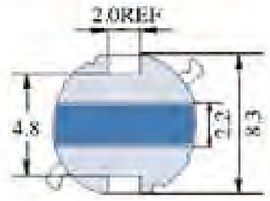
FEATURES

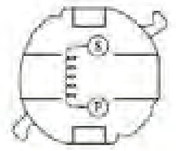
1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



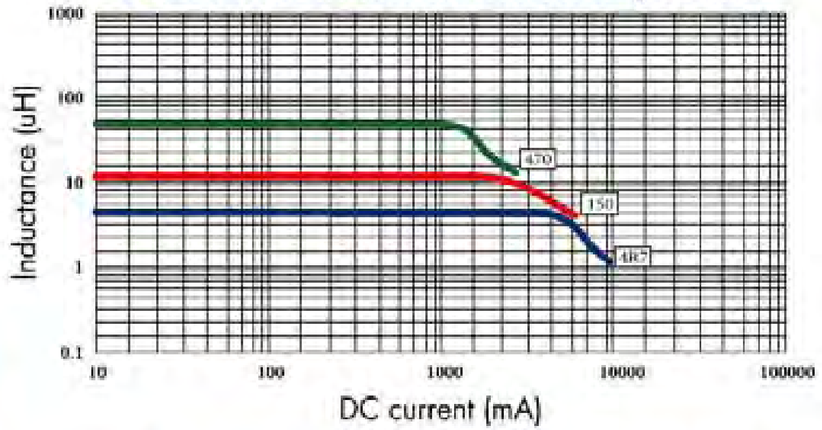




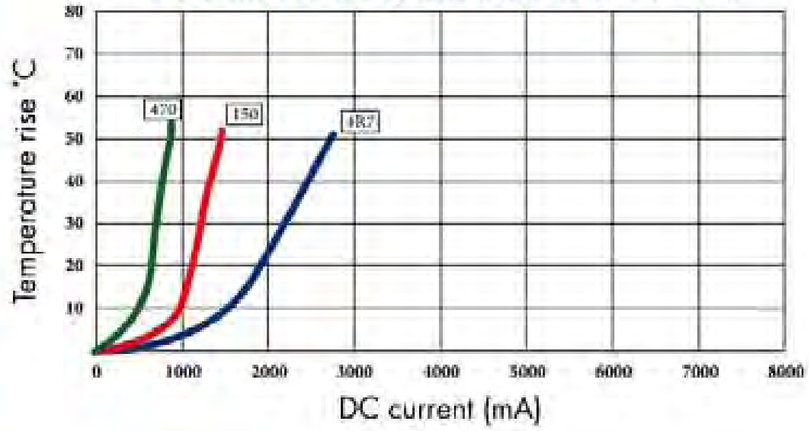
ELECTRICAL CHARACTERISTICS FOR OWIH8020C SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIH8020C-4R7	4.7	100KHZ	70m	3.50	2.25
OWIH8020C-5R6	5.6	100KHZ	90m	3.20	2.02
OWIH8020C-6R8	6.8	100KHZ	98m	2.90	1.82
OWIH8020C-8R2	8.2	100KHZ	120m	2.50	1.73
OWIH8020C-100	10	100KHZ	125m	2.40	1.64
OWIH8020C-120	12	100KHZ	175m	2.10	1.48
OWIH8020C-150	15	100KHZ	200m	1.80	1.20
OWIH8020C-180	18	100KHZ	253m	1.50	1.14
OWIH8020C-220	22	100KHZ	315m	1.10	1.03
OWIH8020C-270	27	100KHZ	400m	1.00	0.93
OWIH8020C-330	33	100KHZ	420m	0.91	0.83
OWIH8020C-390	39	100KHZ	486m	0.82	0.79
OWIH8020C-470	47	100KHZ	610m	0.72	0.70

OWIH8020C Inductance decrease by current



OWIH8020C Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 10% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

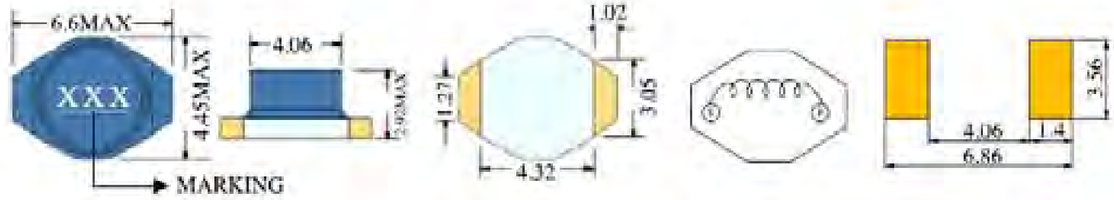
OWI1608C TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

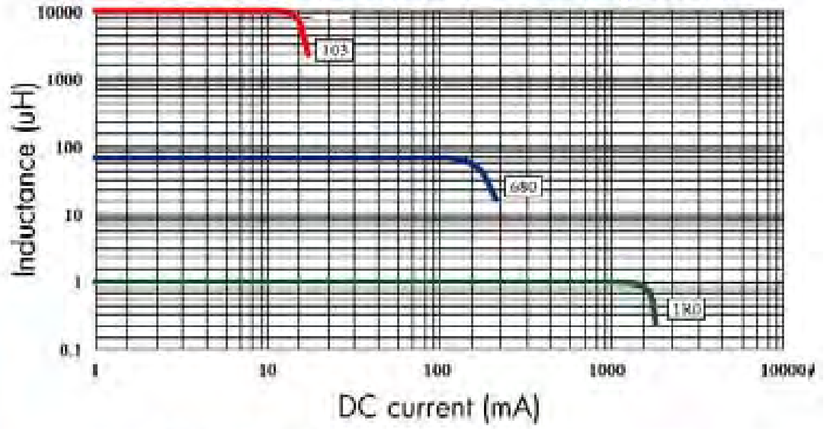
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



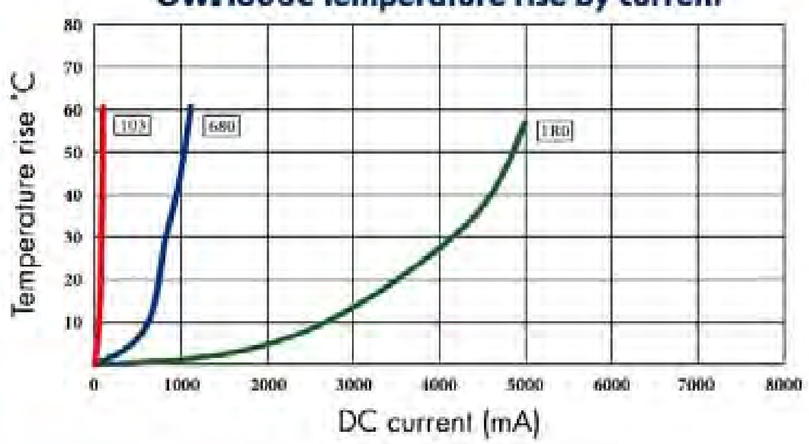
ELECTRICAL CHARACTERISTICS FOR OWI1608C SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWI1608C-1R0	1.0	100KHZ	40m	1.40	4.00
OWI1608C-1R5	1.5	100KHZ	45m	0.93	3.24
OWI1608C-2R2	2.2	100KHZ	50m	0.92	2.91
OWI1608C-3R3	3.3	100KHZ	55m	0.75	2.61
OWI1608C-4R7	4.7	100KHZ	60m	0.58	2.47
OWI1608C-6R8	6.8	100KHZ	65m	0.45	2.22
OWI1608C-100	10	100KHZ	75m	0.37	2.00
OWI1608C-150	15	100KHZ	90m	0.31	1.70
OWI1608C-220	22	100KHZ	138m	0.30	1.44
OWI1608C-330	33	100KHZ	190m	0.27	1.15
OWI1608C-470	47	100KHZ	230m	0.24	1.03
OWI1608C-680	68	100KHZ	340m	0.17	0.80
OWI1608C-101	100	100KHZ	480m	0.13	0.72
OWI1608C-151	150	100KHZ	750m	0.10	0.64
OWI1608C-221	220	100KHZ	1.22	0.09	0.48
OWI1608C-331	330	100KHZ	1.83	0.07	0.40
OWI1608C-471	470	100KHZ	2.85	0.06	0.32
OWI1608C-681	680	100KHZ	3.60	0.055	0.28
OWI1608C-102	1000	100KHZ	5.35	0.045	0.22

OWI1608C Inductance decrease by current



OWI1608C Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±30%(N)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 30% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

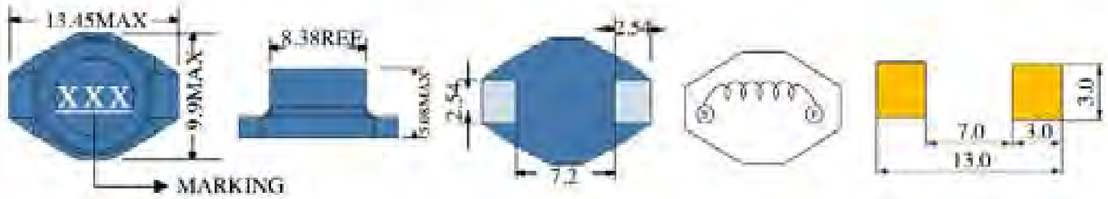
OWI3316C TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

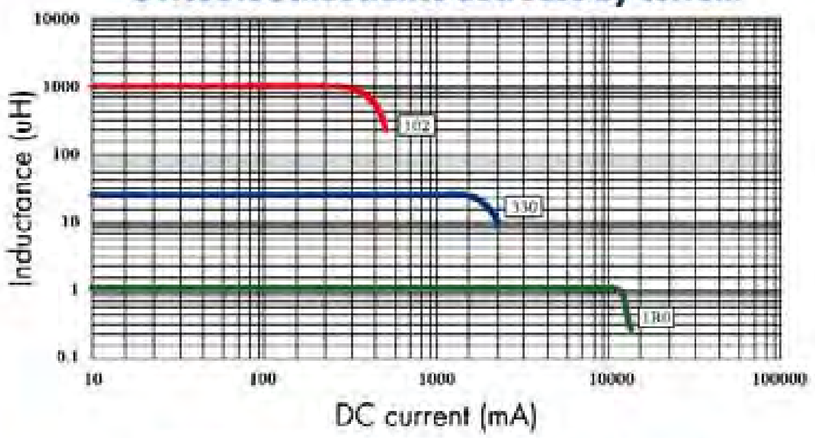
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



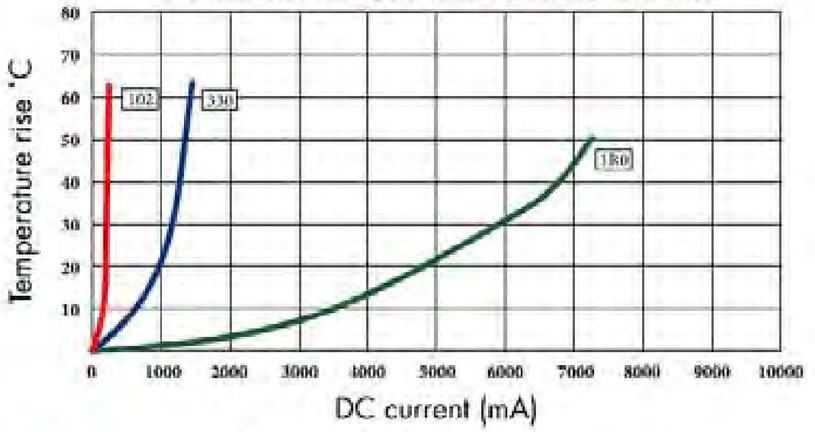
ELECTRICAL CHARACTERISTICS FOR OWI3316C SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWI3316C-1R0	1.0	100KHZ	21m	5.60	6.00
OWI3316C-1R5	1.5	100KHZ	22m	5.20	5.70
OWI3316C-2R2	2.2	100KHZ	32m	5.00	4.59
OWI3316C-3R3	3.3	100KHZ	39m	3.90	4.37
OWI3316C-4R7	4.7	100KHZ	54m	3.20	3.73
OWI3316C-6R8	6.8	100KHZ	75m	2.80	2.61
OWI3316C-100	10	100KHZ	0.101	2.40	2.34
OWI3316C-150	15	100KHZ	0.150	2.00	1.87
OWI3316C-220	22	100KHZ	0.207	1.60	1.49
OWI3316C-330	33	100KHZ	0.334	1.40	1.20
OWI3316C-470	47	100KHZ	0.472	1.00	0.96
OWI3316C-680	68	100KHZ	0.660	0.90	0.77
OWI3316C-101	100	100KHZ	0.924	0.80	0.61
OWI3316C-151	150	100KHZ	1.290	0.70	0.49
OWI3316C-221	220	100KHZ	2.200	0.50	0.39
OWI3316C-331	330	100KHZ	2.500	0.38	0.31
OWI3316C-471	470	100KHZ	3.700	0.35	0.28
OWI3316C-681	680	100KHZ	6.400	0.30	0.225
OWI3316C-102	1000	100KHZ	9.600	0.20	0.200

OWI3316C Inductance decrease by current



OWI3316C Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 1.0uH~2.2uH: ±30%(N) 3.3uH~1000uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 10% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

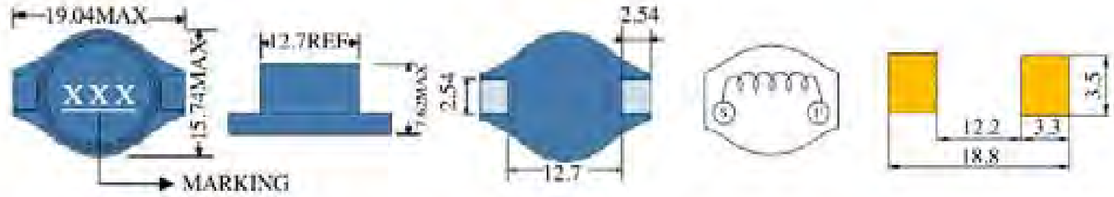
OWI5022C TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

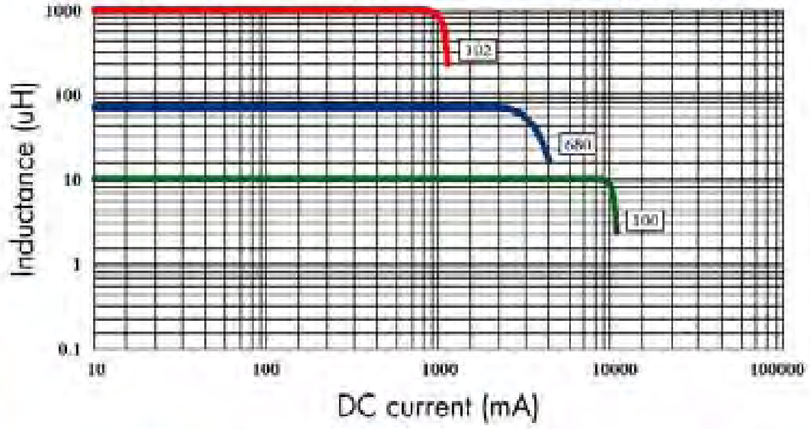
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



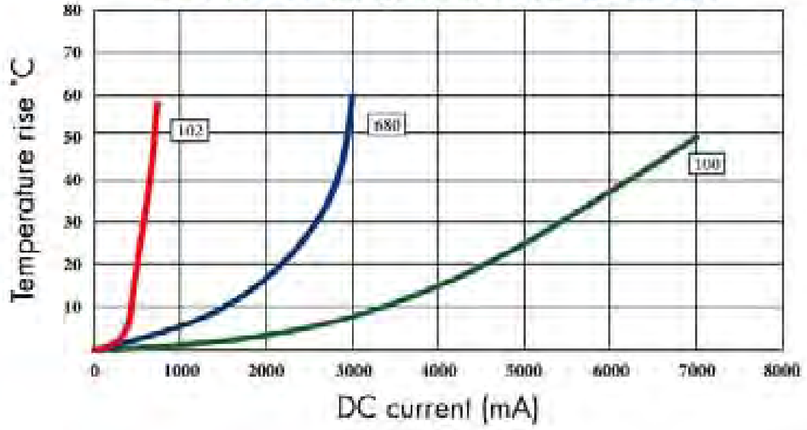
ELECTRICAL CHARACTERISTICS FOR OWI5022C SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWI5022C-100	10	100KHZ	40m	8.00	5.00
OWI5022C-150	15	100KHZ	48m	7.00	4.00
OWI5022C-220	22	100KHZ	59m	6.00	3.80
OWI5022C-330	33	100KHZ	75m	5.00	3.20
OWI5022C-470	47	100KHZ	97m	4.00	2.80
OWI5022C-680	68	100KHZ	138m	3.00	2.20
OWI5022C-101	100	100KHZ	207m	2.40	1.80
OWI5022C-151	150	100KHZ	293m	2.10	1.50
OWI5022C-221	220	100KHZ	470m	1.90	1.20
OWI5022C-331	330	100KHZ	780m	1.10	0.90
OWI5022C-471	470	100KHZ	1.08	1.10	0.80
OWI5022C-681	680	100KHZ	1.40	1.00	0.65
OWI5022C-102	1000	100KHZ	2.01	0.80	0.54

OWI5022C Inductance decrease by current



OWI5022C Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 10% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

OWI3DM TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

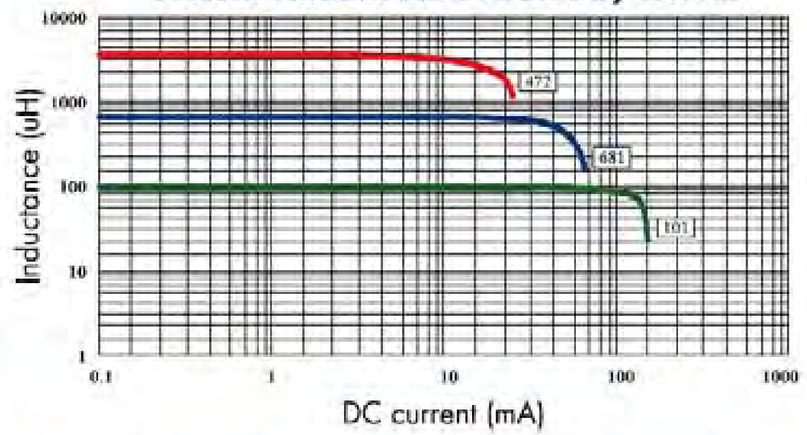
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

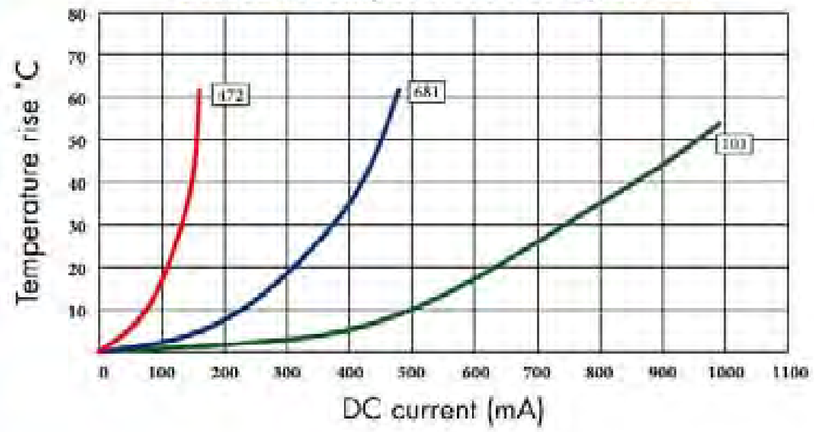
ELECTRICAL CHARACTERISTICS FOR OWI3DM SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWI3DM-101	100	100KHZ	0.65	0.032	0.80
OWI3DM-151	150	100KHZ	0.80	0.028	0.68
OWI3DM-221	220	100KHZ	1.10	0.022	0.60
OWI3DM-331	330	100KHZ	1.30	0.016	0.50
OWI3DM-471	470	100KHZ	1.90	0.014	0.42
OWI3DM-681	680	100KHZ	2.50	0.011	0.35
OWI3DM-102	1000	100KHZ	3.40	0.009	0.27
OWI3DM-152	1500	100KHZ	6.00	0.008	0.22
OWI3DM-222	2200	100KHZ	9.20	0.007	0.17
OWI3DM-332	3300	100KHZ	11.5	0.005	0.14
OWI3DM-472	4700	100KHZ	18.1	0.004	0.12

OWI3DM Inductance decrease by current



OWI3DM Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±30%(N)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 10% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

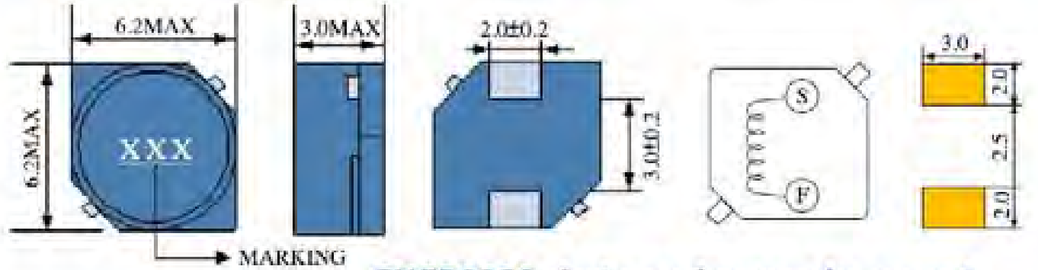
OWIB63C TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

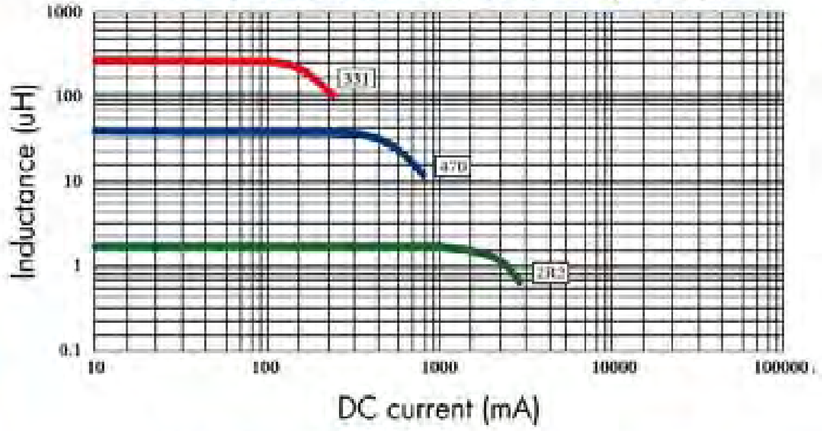
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



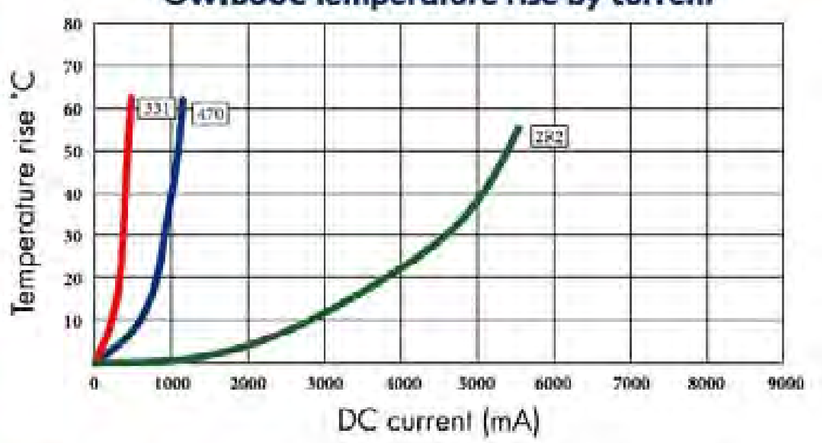
ELECTRICAL CHARACTERISTICS FOR OWIB63C SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIB63C-2R2	2.2	1KHZ	39m	1.60	3.80
OWIB63C-3R3	3.3	1KHZ	49m	1.40	3.00
OWIB63C-4R7	4.7	1KHZ	63m	1.15	2.70
OWIB63C-6R8	6.8	1KHZ	75m	0.90	2.40
OWIB63C-100	10	1KHZ	94m	0.80	2.00
OWIB63C-120	12	1KHZ	115m	0.60	1.80
OWIB63C-150	15	1KHZ	135m	0.59	1.62
OWIB63C-180	18	1KHZ	152m	0.57	1.45
OWIB63C-220	22	1KHZ	191m	0.53	1.30
OWIB63C-270	27	1KHZ	214m	0.44	1.17
OWIB63C-330	33	1KHZ	259m	0.42	1.12
OWIB63C-390	39	1KHZ	299m	0.33	1.00
OWIB63C-470	47	1KHZ	356m	0.32	0.95
OWIB63C-560	56	1KHZ	401m	0.30	0.90
OWIB63C-680	68	1KHZ	473m	0.27	0.80
OWIB63C-820	82	1KHZ	572m	0.25	0.70
OWIB63C-101	100	1KHZ	670m	0.24	0.63
OWIB63C-121	120	1KHZ	860m	0.23	0.56
OWIB63C-151	150	1KHZ	990m	0.20	0.53
OWIB63C-181	180	1KHZ	1.27	0.14	0.48
OWIB63C-221	220	1KHZ	1.80	0.13	0.41
OWIB63C-271	270	1KHZ	1.96	0.12	0.36
OWIB63C-331	330	1KHZ	2.32	0.11	0.34

OWIB63C Inductance decrease by current



OWIB63C Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 2.2uH~6.8uH: ±30%(N) 10uH~330uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 10% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

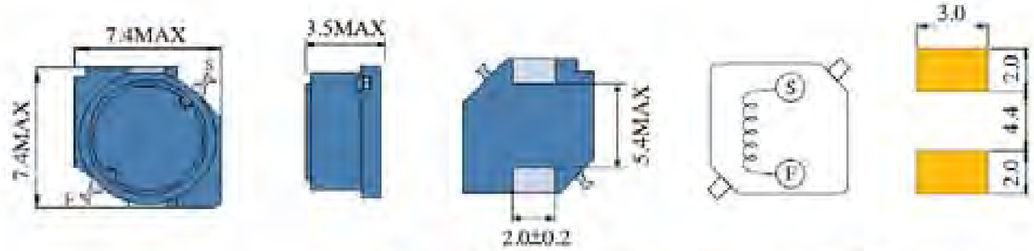
OWIB73C TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

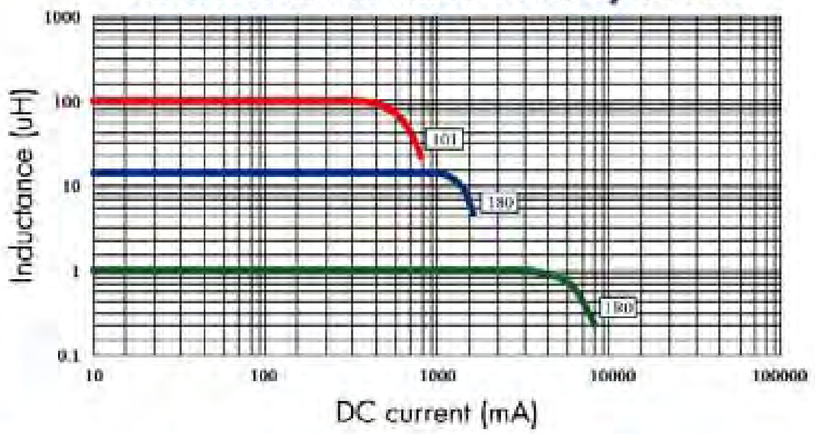
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



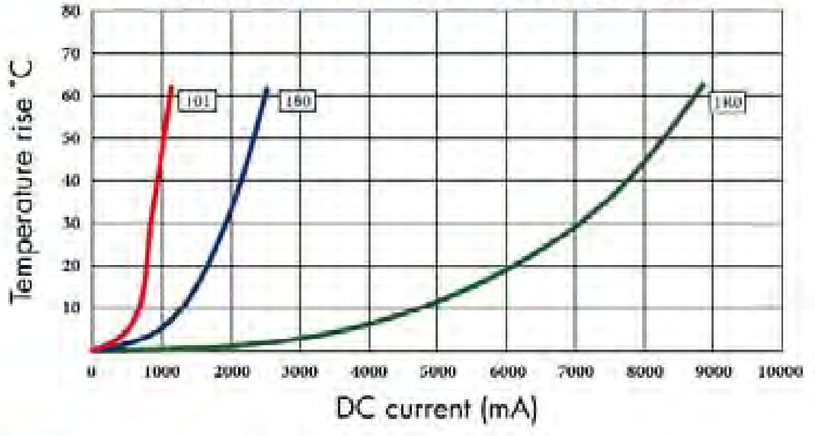
ELECTRICAL CHARACTERISTICS FOR OWIB73C SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIB73C-1R0	1.0	1KHZ	19m	3.12	6.60
OWIB73C-1R5	1.5	1KHZ	23m	2.85	5.90
OWIB73C-2R2	2.2	1KHZ	28m	2.66	5.30
OWIB73C-3R3	3.3	1KHZ	35m	2.26	4.50
OWIB73C-4R7	4.7	1KHZ	43m	1.96	3.50
OWIB73C-6R8	6.8	1KHZ	55m	1.76	3.15
OWIB73C-100	10	1KHZ	80m	1.34	2.52
OWIB73C-120	12	1KHZ	90m	1.23	2.26
OWIB73C-150	15	1KHZ	0.12	1.09	2.15
OWIB73C-180	18	1KHZ	0.13	0.99	1.81
OWIB73C-220	22	1KHZ	0.15	0.90	1.63
OWIB73C-270	27	1KHZ	0.21	0.81	1.46
OWIB73C-330	33	1KHZ	0.25	0.72	1.31
OWIB73C-390	39	1KHZ	0.31	0.67	1.24
OWIB73C-470	47	1KHZ	0.35	0.60	1.11
OWIB73C-560	56	1KHZ	0.43	0.55	0.94
OWIB73C-680	68	1KHZ	0.52	0.50	0.89
OWIB73C-820	82	1KHZ	0.60	0.46	0.84
OWIB73C-101	100	1KHZ	0.79	0.41	0.80

OWIB73C Inductance decrease by current



OWIB73C Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 1.0uH~6.8uH: ±30%(N) 10uH~100uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 10% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

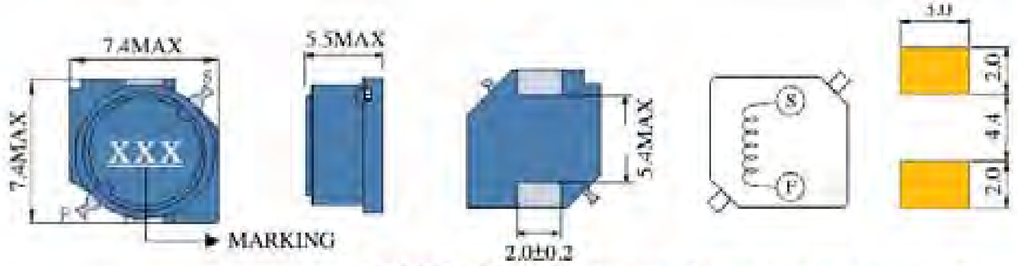
OWIB75C TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

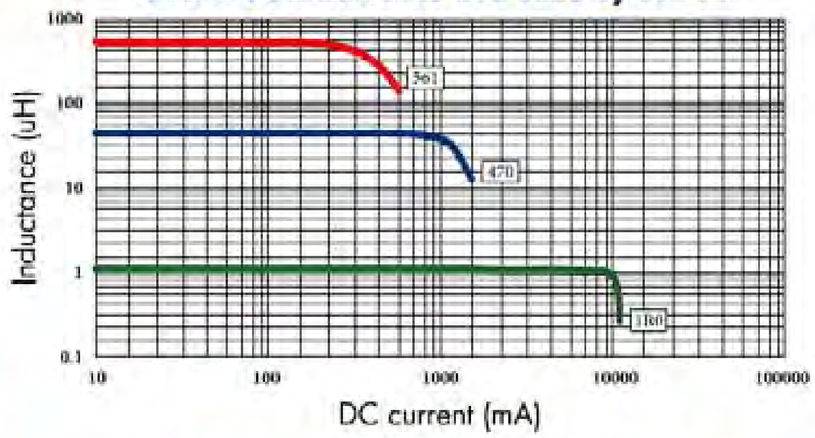
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



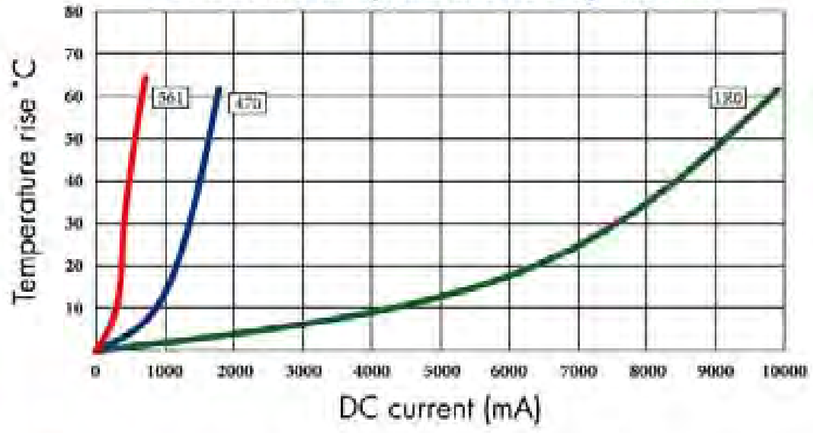
ELECTRICAL CHARACTERISTICS FOR OWIB75C SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIB75C-1R0	1.0	1KHZ	23m	2.88	7.00
OWIB75C-1R5	1.5	1KHZ	27m	2.61	6.30
OWIB75C-2R2	2.2	1KHZ	30m	2.46	4.84
OWIB75C-3R3	3.3	1KHZ	35m	2.28	3.80
OWIB75C-4R7	4.7	1KHZ	41m	2.08	3.42
OWIB75C-6R8	6.8	1KHZ	47m	1.94	3.07
OWIB75C-100	10	1KHZ	50m	1.68	2.60
OWIB75C-120	12	1KHZ	70m	1.54	2.34
OWIB75C-150	15	1KHZ	80m	1.39	2.10
OWIB75C-180	18	1KHZ	90m	1.26	1.89
OWIB75C-220	22	1KHZ	0.11	1.13	1.70
OWIB75C-270	27	1KHZ	0.15	1.02	1.62
OWIB75C-330	33	1KHZ	0.17	0.84	1.52
OWIB75C-390	39	1KHZ	0.20	0.80	1.36
OWIB75C-470	47	1KHZ	0.23	0.76	1.27
OWIB75C-560	56	1KHZ	0.28	0.64	1.20
OWIB75C-680	68	1KHZ	0.32	0.60	1.14
OWIB75C-820	82	1KHZ	0.39	0.57	1.08
OWIB75C-101	100	1KHZ	0.44	0.50	0.96
OWIB75C-121	120	1KHZ	0.48	0.47	0.91
OWIB75C-151	150	1KHZ	0.73	0.40	0.81
OWIB75C-181	180	1KHZ	0.78	0.39	0.72
OWIB75C-221	220	1KHZ	0.94	0.33	0.64
OWIB75C-271	270	1KHZ	1.25	0.31	0.58
OWIB75C-331	330	1KHZ	1.40	0.27	0.49
OWIB75C-391	390	1KHZ	1.52	0.27	0.44
OWIB75C-471	470	1KHZ	1.90	0.25	0.42
OWIB75C-561	560	1KHZ	2.39	0.22	0.40

OWIB75C Inductance decrease by current



OWIB75C Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 1.0uH~6.8uH: ±30%(N) 10uH~560uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 10% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

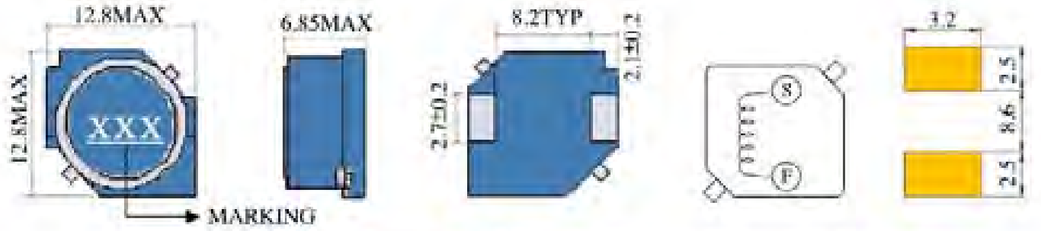
OWIB126C TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

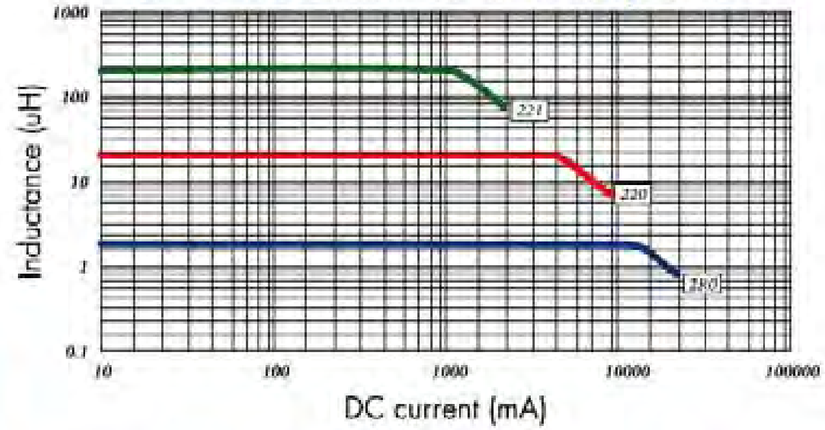
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



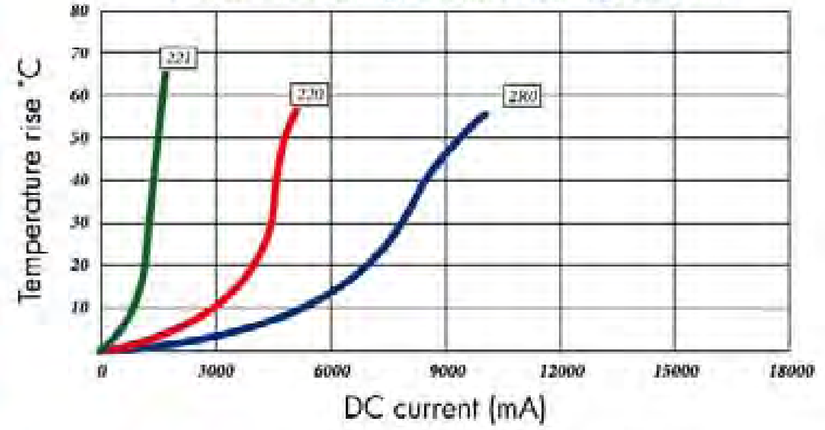
ELECTRICAL CHARACTERISTICS FOR OWIB126C SERIES

Part Number	Inductance (uH)(1)	Test Frequency	DC Resistance (Ω MAX)(2)	Saturation Current (A)(3)	Temperature Current (A)(4)
OWIB126C-2R0	2.0	1KHZ	15m	10	7.70
OWIB126C-4R2	4.2	1KHZ	18m	7.3	7.00
OWIB126C-7R0	7.0	1KHZ	22m	5.7	6.50
OWIB126C-100	10	1KHZ	27m	5.0	6.10
OWIB126C-150	15	1KHZ	31m	4.2	5.22
OWIB126C-220	22	1KHZ	45m	3.5	4.45
OWIB126C-330	33	1KHZ	60m	2.8	3.40
OWIB126C-470	47	1KHZ	80m	2.4	2.80
OWIB126C-680	68	1KHZ	108m	2.0	2.40
OWIB126C-101	100	1KHZ	150m	1.6	1.90
OWIB126C-221	220	1KHZ	350m	1.0	1.20

OWIB126C Inductance decrease by current



OWIB126C Temperature rise by current



1. *Inductance tested at 0.25V. Tolerance of inductance: 2.0uH~7.0uH: ±30%(N) 10uH~220uH: ±20%(M)*
2. *DCR test temp. limits 25°C.*
3. *This indicates the value of current when the inductance is 10% lower than its initial value at D.C. superposition or D.C. current.*
4. *To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.*
5. *Please refer saturated current or the minimum temperature current as standard.*

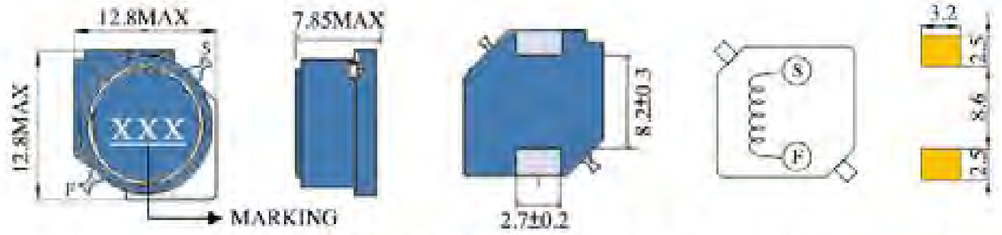
OWIB127C TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

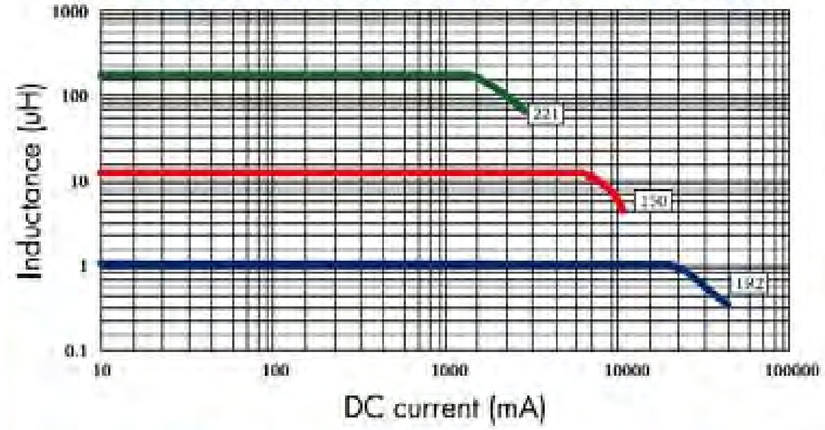
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



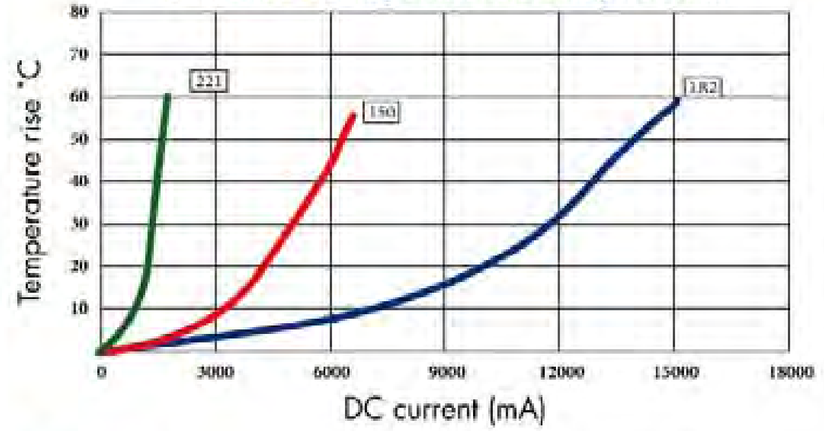
ELECTRICAL CHARACTERISTICS FOR OWIB127C SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIB127C-1R2	1.2	1KHZ	11.0m	13.0	12.0
OWIB127C-2R7	2.7	1KHZ	13.0m	10.0	10.5
OWIB127C-3R9	3.9	1KHZ	14.5m	9.0	8.80
OWIB127C-5R2	5.2	1KHZ	15.6m	7.8	8.00
OWIB127C-6R8	6.8	1KHZ	19.5m	7.2	6.80
OWIB127C-100	10	1KHZ	28.0m	5.5	5.70
OWIB127C-150	15	1KHZ	30.0m	4.7	5.10
OWIB127C-220	22	1KHZ	46.0m	4.0	4.10
OWIB127C-330	33	1KHZ	54.0m	3.2	3.50
OWIB127C-470	47	1KHZ	87.0m	2.7	2.50
OWIB127C-680	68	1KHZ	105m	2.0	2.20
OWIB127C-101	100	1KHZ	160m	1.9	1.80
OWIB127C-151	150	1KHZ	205m	1.5	1.64
OWIB127C-221	220	1KHZ	300m	1.3	1.30

OWIB127C Inductance decrease by current



OWIB127C Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 1.2uH~6.8uH: ±30%(N) 10uH~220uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 10% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

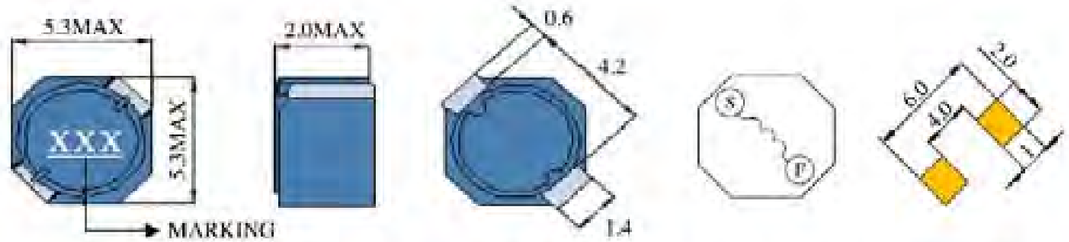
OWI52LC TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

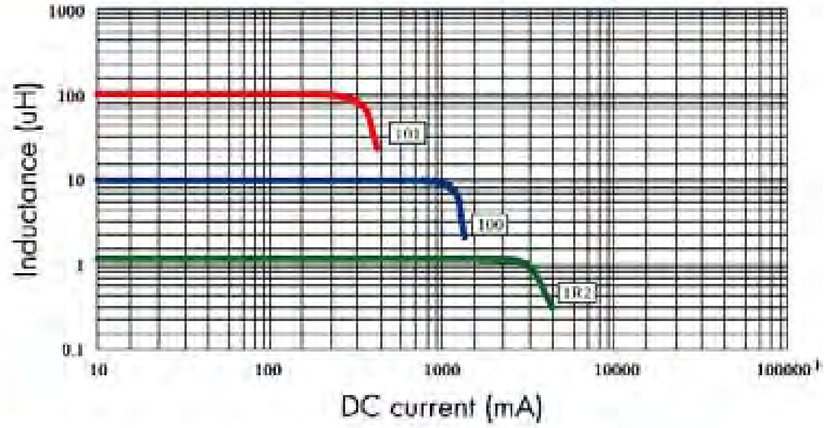
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



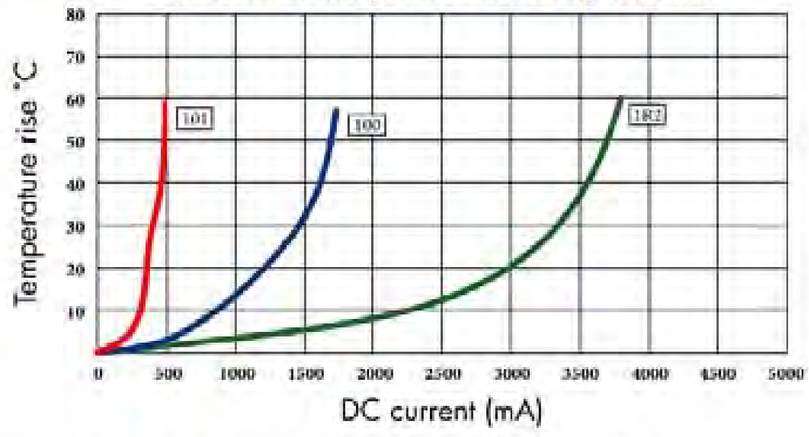
ELECTRICAL CHARACTERISTICS FOR OWI52LC SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWI52LC-1R2	1.2	100KHZ	44m	2.15	3.30
OWI52LC-2R2	2.2	100KHZ	59m	1.63	3.00
OWI52LC-2R5	2.5	100KHZ	73m	1.34	2.10
OWI52LC-4R7	4.7	100KHZ	87m	1.14	1.78
OWI52LC-6R8	6.8	100KHZ	105m	0.95	1.60
OWI52LC-100	10	100KHZ	150m	0.76	1.44
OWI52LC-150	15	100KHZ	230m	0.63	1.16
OWI52LC-220	22	100KHZ	320m	0.56	0.98
OWI52LC-330	33	100KHZ	455m	0.44	0.78
OWI52LC-470	47	100KHZ	730m	0.36	0.60
OWI52LC-680	68	100KHZ	1.13	0.30	0.48
OWI52LC-101	100	100KHZ	1.65	0.23	0.38

OWI52LC Inductance decrease by current



OWI52LC Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 1.2uH~6.8uH: ±30%(N) 10uH~100uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 30% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

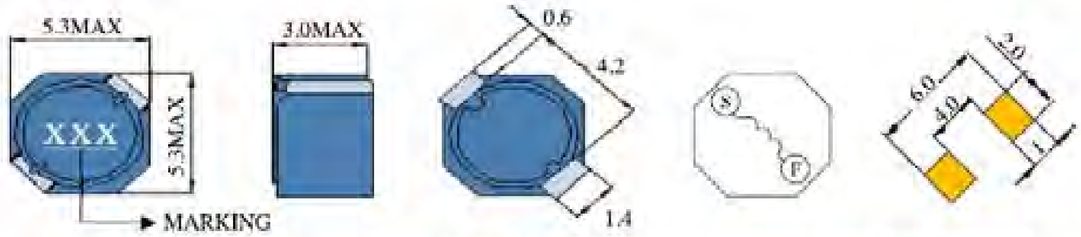
OWI53LC TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

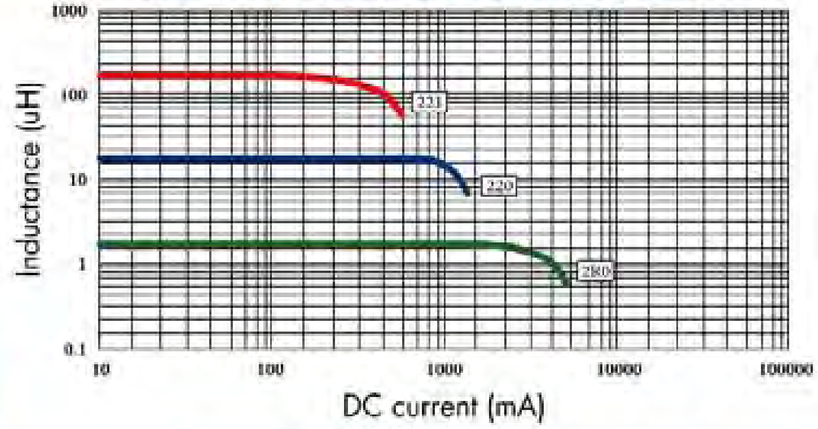
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



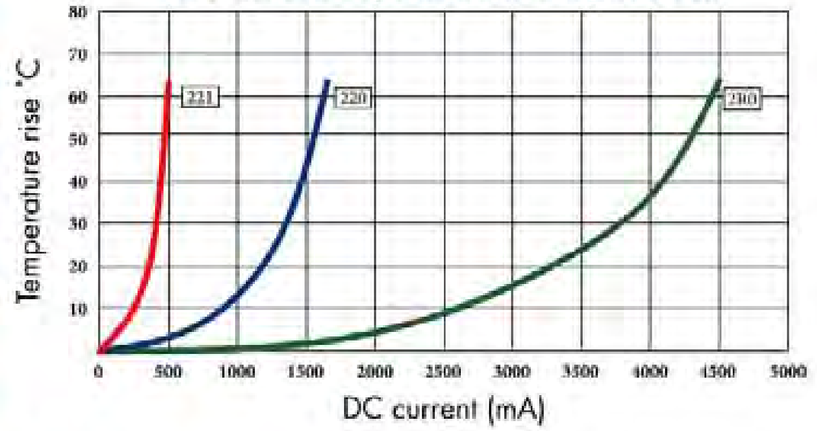
ELECTRICAL CHARACTERISTICS FOR OWI53LC SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWI53LC-2R0	2.0	100KHZ	38m	2.92	3.60
OWI53LC-3R3	3.3	100KHZ	51m	2.36	3.42
OWI53LC-4R7	4.7	100KHZ	60m	1.87	2.80
OWI53LC-6R8	6.8	100KHZ	76m	1.51	2.27
OWI53LC-100	10	100KHZ	105m	1.33	2.00
OWI53LC-150	15	100KHZ	126m	1.05	1.60
OWI53LC-220	22	100KHZ	190m	0.86	1.28
OWI53LC-330	33	100KHZ	288m	0.72	1.09
OWI53LC-470	47	100KHZ	415m	0.62	0.87
OWI53LC-680	68	100KHZ	545m	0.51	0.73
OWI53LC-101	100	100KHZ	860m	0.43	0.58
OWI53LC-151	150	100KHZ	1.24	0.21	0.46
OWI53LC-221	220	100KHZ	2.04	0.18	0.39

OWI53LC Inductance decrease by current



OWI53LC Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 2.0uH~6.8uH: ±30%(N) 10uH~220uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 30% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

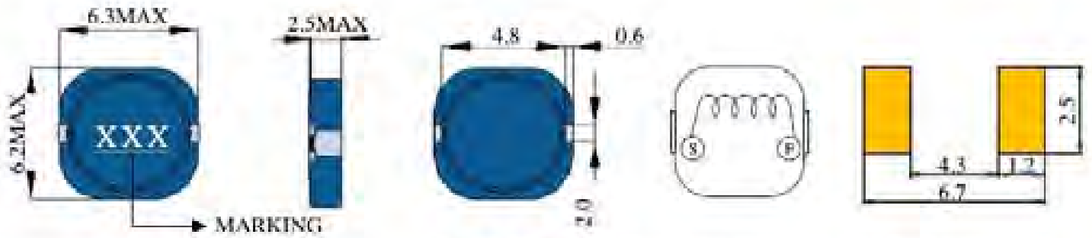
OWI62CB TYPE

FEATURES

1. LOW Profile (2.5mm max. height) and 6.3mm square. Magnetically shielded and low DC resistance. Suitable for large currents. Available on tape and reel for auto-insertion. Ideal for a variety of DC-DC converter inductor applications.

APPLICATIONS

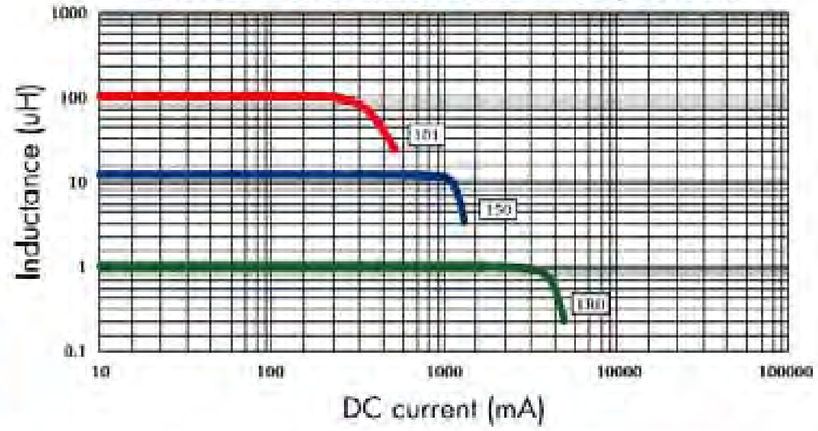
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



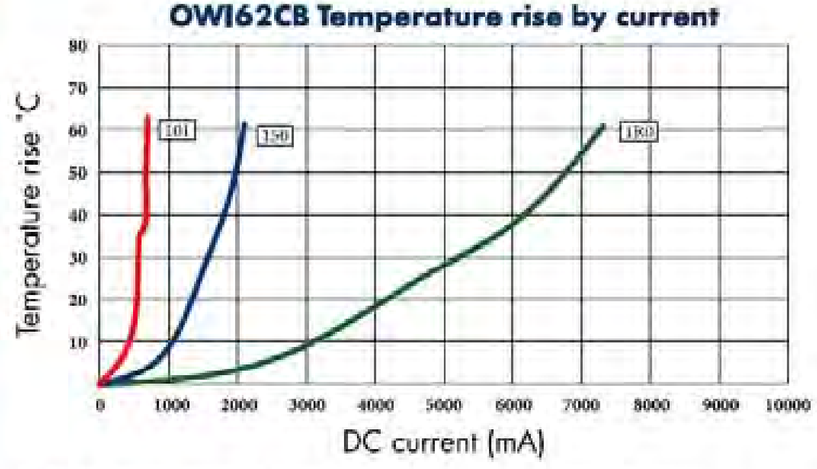
ELECTRICAL CHARACTERISTICS FOR OWI62CB SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWI62CB-1R0	1.0	100KHZ	16m	3.48	5.00
OWI62CB-1R5	1.5	100KHZ	18m	2.83	4.00
OWI62CB-2R0	2.0	100KHZ	21m	2.44	3.40
OWI62CB-3R3	3.3	100KHZ	30m	1.89	3.23
OWI62CB-4R3	4.3	100KHZ	39m	1.65	3.00
OWI62CB-6R2	6.2	100KHZ	60m	1.37	2.38
OWI62CB-100	10	100KHZ	80m	1.07	1.82
OWI62CB-120	12	100KHZ	94m	0.97	1.63
OWI62CB-150	15	100KHZ	120m	0.87	1.46
OWI62CB-180	18	100KHZ	140m	0.79	1.31
OWI62CB-220	22	100KHZ	188m	0.71	1.17
OWI62CB-270	27	100KHZ	212m	0.64	1.05
OWI62CB-330	33	100KHZ	244m	0.58	0.94
OWI62CB-390	39	100KHZ	306m	0.53	0.84
OWI62CB-470	47	100KHZ	390m	0.48	0.76
OWI62CB-560	56	100KHZ	432m	0.44	0.68
OWI62CB-680	68	100KHZ	588m	0.40	0.65
OWI62CB-820	82	100KHZ	670m	0.36	0.61
OWI62CB-101	100	100KHZ	813m	0.33	0.58

OWI62CB Inductance decrease by current



OWI62CB Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 1.0uH–6.2uH: ±30%(N) 10uH–100uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 30% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

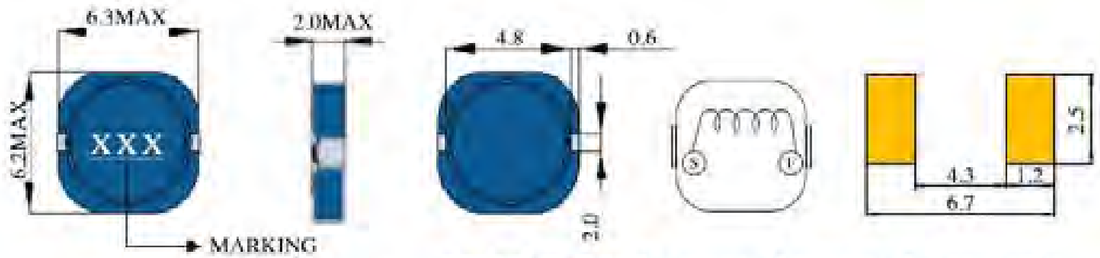
OWI62LCB TYPE

FEATURES

1. LOW Profile (2.0mm max. height) and 6.3mm square. Magnetically shielded and low DC resistance. Suitable for large currents. Available on tape and reel for auto-insertion. Ideal for a variety of DC-DC converter inductor applications.

APPLICATIONS

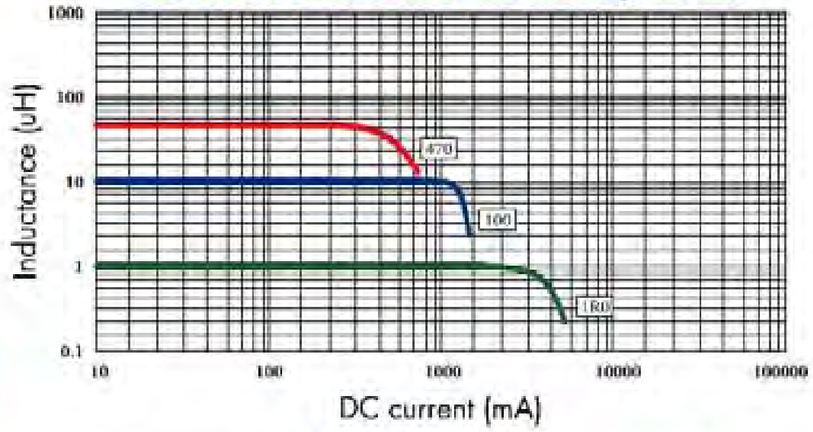
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



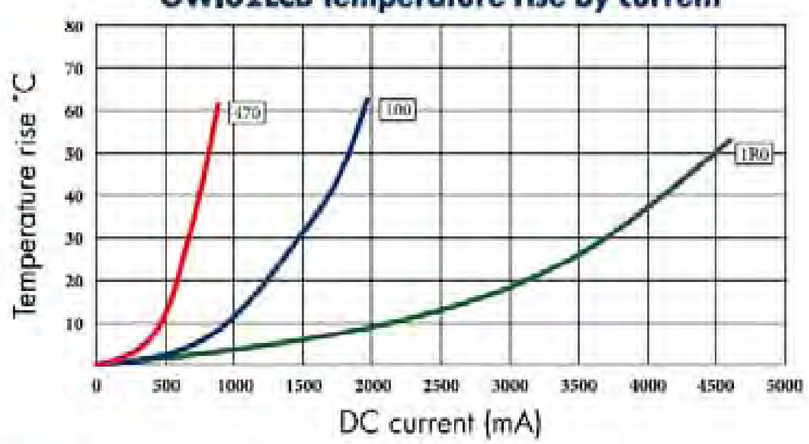
ELECTRICAL CHARACTERISTICS FOR OWI62LCB SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWI62LCB-1R0	1.0	100KHZ	20m	3.50	3.70
OWI62LCB-1R5	1.5	100KHZ	24m	2.94	3.33
OWI62LCB-2R0	2.0	100KHZ	30m	2.47	3.33
OWI62LCB-3R3	3.3	100KHZ	49m	1.99	2.84
OWI62LCB-4R7	4.7	100KHZ	69m	1.59	2.20
OWI62LCB-6R2	6.2	100KHZ	85m	1.49	1.85
OWI62LCB-8R2	8.2	100KHZ	106m	1.25	1.57
OWI62LCB-100	10	100KHZ	134m	1.22	1.41
OWI62LCB-120	12	100KHZ	160m	0.99	1.33
OWI62LCB-150	15	100KHZ	195m	0.94	1.24
OWI62LCB-180	18	100KHZ	230m	0.83	1.11
OWI62LCB-220	22	100KHZ	264m	0.80	0.99
OWI62LCB-270	27	100KHZ	344m	0.65	0.89
OWI62LCB-330	33	100KHZ	460m	0.63	0.80
OWI62LCB-390	39	100KHZ	585m	0.55	0.72
OWI62LCB-470	47	100KHZ	650m	0.50	0.68

OWI62LCB Inductance decrease by current



OWI62LCB Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 1.0uH~8.2uH: ±30%(N) 10uH~47uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 30% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

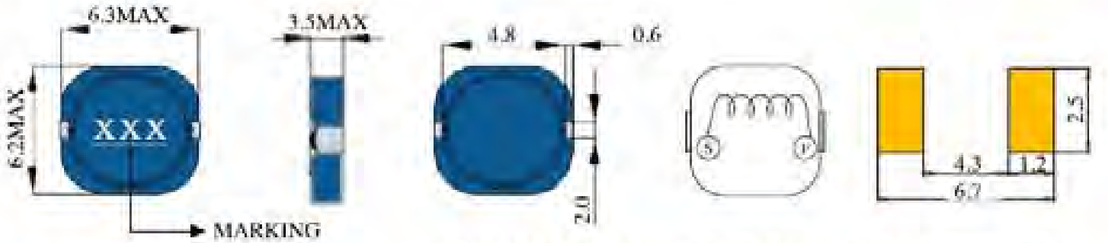
OWI63CB TYPE

FEATURES

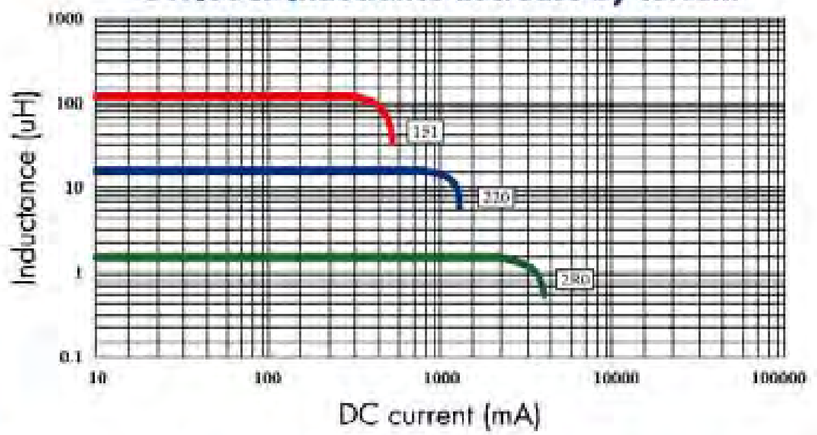
1. LOW Profile (3.5mm max. height) and 6.3mm square. Magnetically shielded and low DC resistance. Suitable for large currents. Available on tape and reel for auto-insertion. Ideal for a variety of DC-DC converter inductor applications.

APPLICATIONS

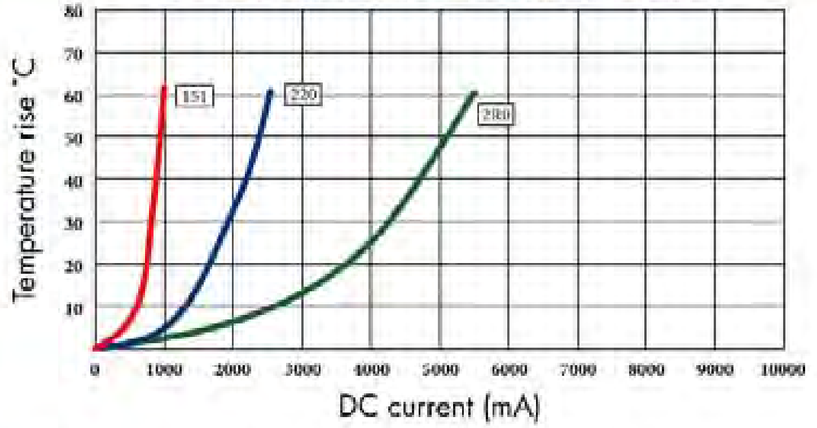
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



OWI63CB Inductance decrease by current



OWI63CB Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWI63CB SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWI63CB-2R0	2.0	100KHZ	20m	3.00	4.00
OWI63CB-2R7	2.7	100KHZ	23m	2.69	3.60
OWI63CB-3R3	3.3	100KHZ	27m	2.57	3.24
OWI63CB-4R7	4.7	100KHZ	33m	2.08	3.10
OWI63CB-6R2	6.2	100KHZ	39m	1.84	2.85
OWI63CB-8R2	8.2	100KHZ	45m	1.54	2.70
OWI63CB-100	10	100KHZ	50m	1.49	2.56
OWI63CB-120	12	100KHZ	65m	1.28	2.43
OWI63CB-150	15	100KHZ	80m	1.10	2.18
OWI63CB-180	18	100KHZ	85m	1.05	2.07
OWI63CB-220	22	100KHZ	110m	0.97	1.75
OWI63CB-270	27	100KHZ	146m	0.82	1.67
OWI63CB-330	33	100KHZ	169m	0.76	1.50
OWI63CB-390	39	100KHZ	198m	0.70	1.42
OWI63CB-470	47	100KHZ	218m	0.68	1.34
OWI63CB-560	56	100KHZ	268m	0.60	1.20
OWI63CB-680	68	100KHZ	333m	0.56	1.02
OWI63CB-820	82	100KHZ	436m	0.47	0.91
OWI63CB-101	100	100KHZ	496m	0.45	0.86
OWI63CB-151	150	100KHZ	691m	0.37	0.77

1. Inductance tested at 0.25V. Tolerance of inductance: 2.0uH~8.2uH: ±30%(N) 10uH~150uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 30% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

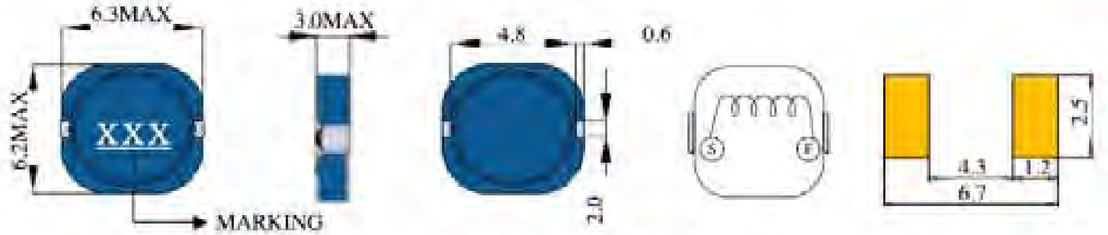
OWI63LCB TYPE

FEATURES

1. LOW Profile (3.0mm max. height) and 6.3mm square. Magnetically shielded and low DC resistance. Suitable for large currents. Available on tape and reel for auto-insertion. Ideal for a variety of DC-DC converter inductor applications.

APPLICATIONS

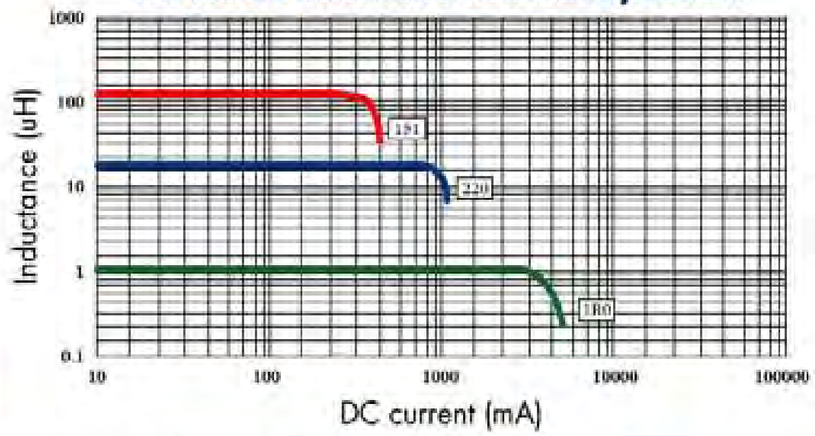
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



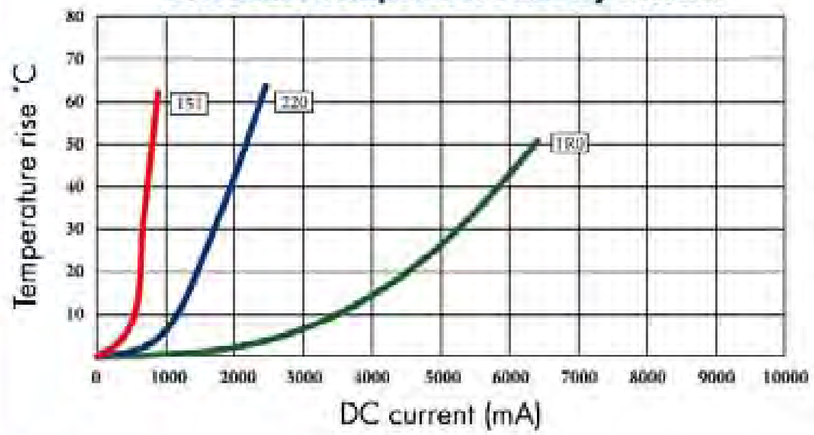
ELECTRICAL CHARACTERISTICS FOR OWI63LCB SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWI63LCB-1R0	1.0	100KHZ	14m	3.59	4.80
OWI63LCB-1R5	1.5	100KHZ	16m	2.93	4.60
OWI63LCB-2R2	2.2	100KHZ	20m	2.42	4.37
OWI63LCB-3R6	3.6	100KHZ	27m	1.89	4.15
OWI63LCB-4R7	4.7	100KHZ	34m	1.66	3.80
OWI63LCB-6R2	6.2	100KHZ	40m	1.45	3.42
OWI63LCB-100	10	100KHZ	62m	1.14	2.91
OWI63LCB-120	12	100KHZ	66m	1.04	2.30
OWI63LCB-150	15	100KHZ	79m	0.93	2.22
OWI63LCB-180	18	100KHZ	100m	0.85	1.99
OWI63LCB-220	22	100KHZ	119m	0.77	1.50
OWI63LCB-270	27	100KHZ	150m	0.70	1.42
OWI63LCB-330	33	100KHZ	175m	0.63	1.35
OWI63LCB-390	39	100KHZ	188m	0.58	1.21
OWI63LCB-470	47	100KHZ	235m	0.53	1.14
OWI63LCB-560	56	100KHZ	275m	0.48	1.02
OWI63LCB-680	68	100KHZ	338m	0.44	0.92
OWI63LCB-820	82	100KHZ	413m	0.40	0.89
OWI63LCB-101	100	100KHZ	519m	0.36	0.80
OWI63LCB-151	150	100KHZ	778m	0.31	0.60

OWI63LCB Inductance decrease by current



OWI63LCB Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 1.0uH~6.2uH: ±30%(N) 10uH~150uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 30% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

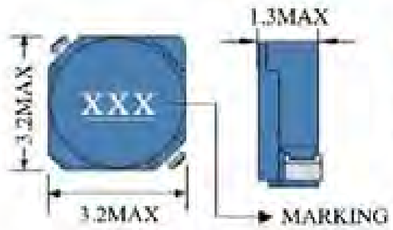
OWIRH2D11 TYPE

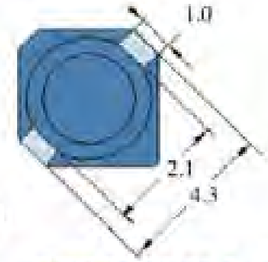
FEATURES

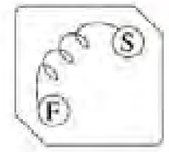
1. Various high power inductors are superior to be high saturation for surface mounting.

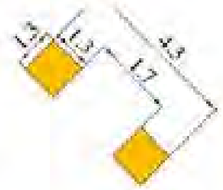
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.





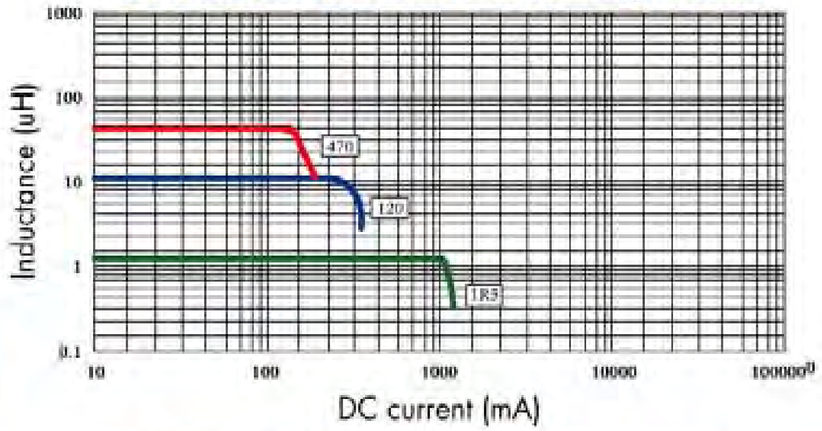




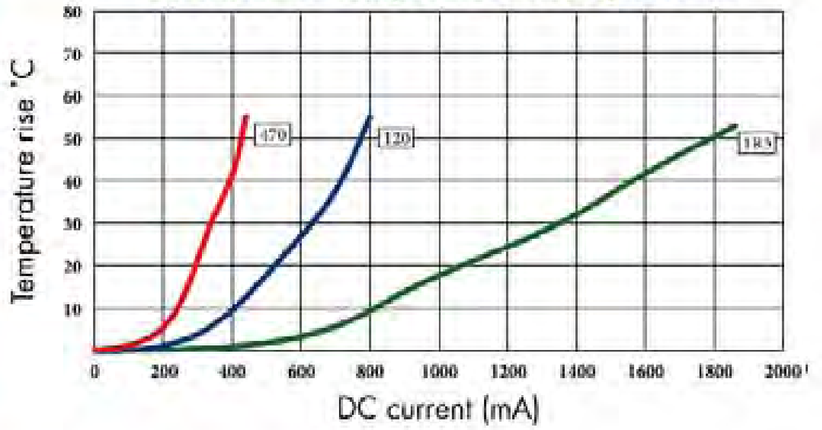
ELECTRICAL CHARACTERISTICS FOR OWIRH2D11 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH2D11-1R5	1.5	100KHZ	95m	0.90	1.45
OWIRH2D11-2R2	2.2	100KHZ	121m	0.64	1.27
OWIRH2D11-3R3	3.3	100KHZ	160m	0.60	1.14
OWIRH2D11-4R7	4.7	100KHZ	235m	0.50	1.02
OWIRH2D11-6R8	6.8	100KHZ	304m	0.40	0.86
OWIRH2D11-100	10	100KHZ	524m	0.34	0.70
OWIRH2D11-120	12	100KHZ	595m	0.30	0.56
OWIRH2D11-150	15	100KHZ	656m	0.24	0.50
OWIRH2D11-180	18	100KHZ	691m	0.23	0.50
OWIRH2D11-220	22	100KHZ	1.12	0.22	0.43
OWIRH2D11-330	33	100KHZ	1.87	0.18	0.38
OWIRH2D11-470	47	100KHZ	2.35	0.15	0.34

OWIRH2D11 Inductance decrease by current



OWIRH2D11 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±30%(N)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 35% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

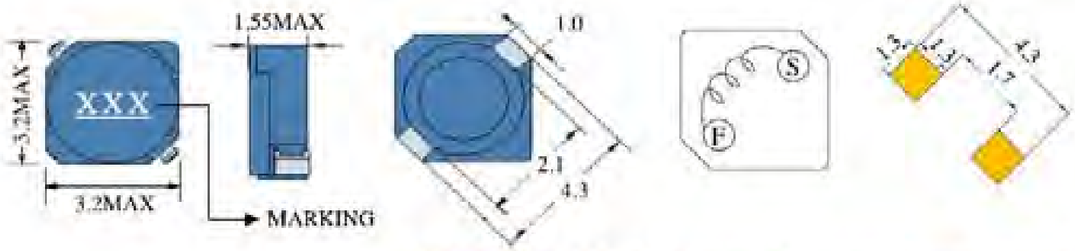
OWIRH2D14 TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

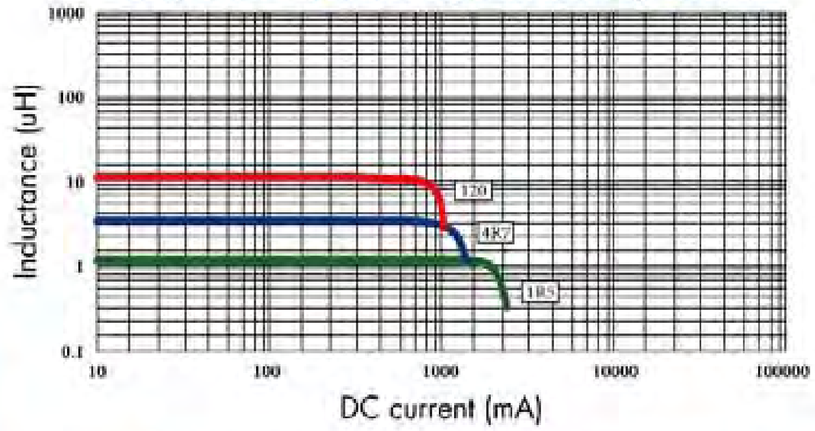
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



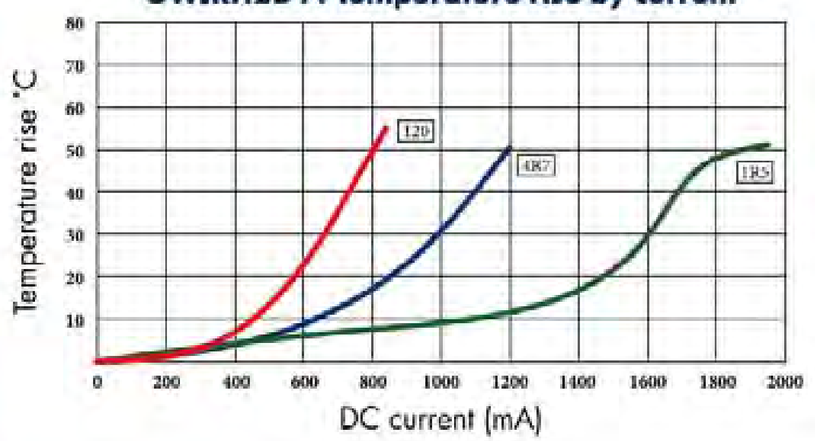
ELECTRICAL CHARACTERISTICS FOR OWIRH2D14 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH2D14-1R5	1.5	100KHZ	71m	1.80	1.60
OWIRH2D14-1R8	1.8	100KHZ	85m	1.65	1.44
OWIRH2D14-2R2	2.2	100KHZ	106m	1.50	1.29
OWIRH2D14-2R7	2.7	100KHZ	114m	1.35	1.22
OWIRH2D14-3R3	3.3	100KHZ	125m	1.20	1.15
OWIRH2D14-3R9	3.9	100KHZ	178m	1.10	1.03
OWIRH2D14-4R7	4.7	100KHZ	195m	1.00	930m
OWIRH2D14-5R6	5.6	100KHZ	222m	950m	840m
OWIRH2D14-6R8	6.8	100KHZ	253m	850m	790m
OWIRH2D14-8R2	8.2	100KHZ	294m	800m	750m
OWIRH2D14-100	10	100KHZ	396m	700m	710m
OWIRH2D14-120	12	100KHZ	515m	620m	680m

OWIRH2D14 Inductance decrease by current



OWIRH2D14 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±30%(N)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 35% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

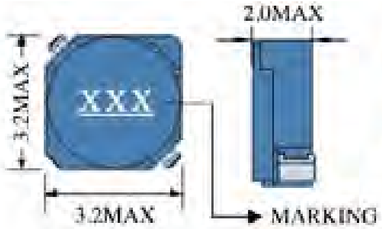
OWIRH2D18 TYPE

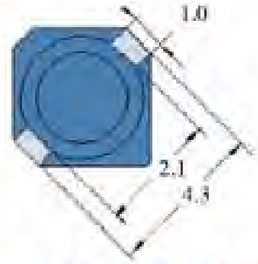
FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

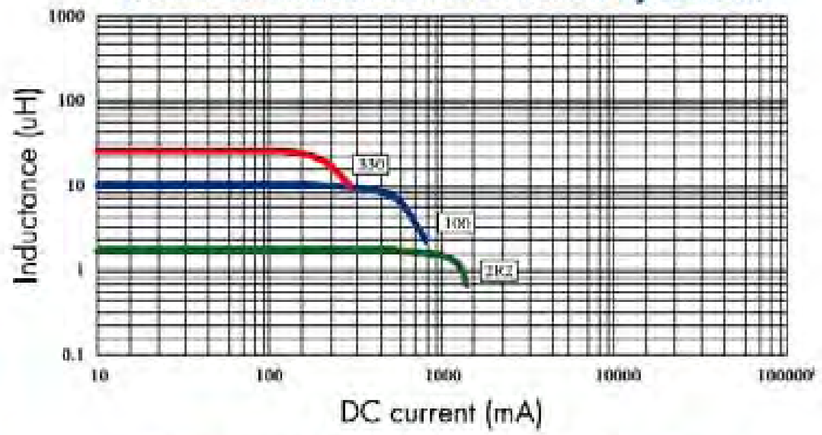




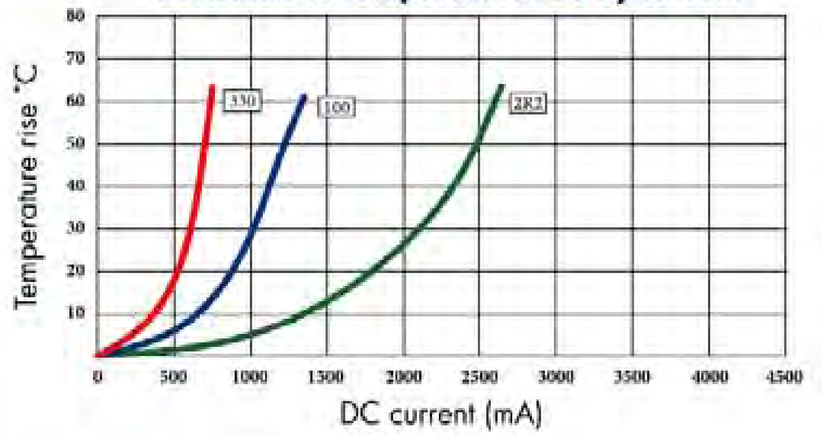
ELECTRICAL CHARACTERISTICS FOR OWIRH2D18 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH2D18-2R2	2.2	100KHZ	43m	0.85	2.00
OWIRH2D18-3R3	3.3	100KHZ	60m	0.73	1.80
OWIRH2D18-4R7	4.7	100KHZ	85m	0.55	1.44
OWIRH2D18-6R8	6.8	100KHZ	123m	0.50	1.29
OWIRH2D18-100	10	100KHZ	201m	0.37	1.03
OWIRH2D18-150	15	100KHZ	266m	0.34	0.92
OWIRH2D18-220	22	100KHZ	382m	0.26	0.73
OWIRH2D18-330	33	100KHZ	620m	0.21	0.58

OWIRH2D18 Inductance decrease by current



OWIRH2D18 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±30%(N)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 35% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

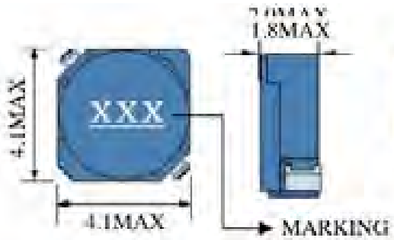
OWIRH3D16 TYPE

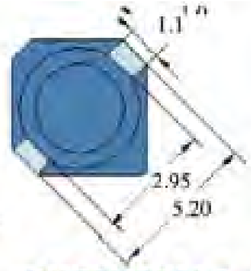
FEATURES

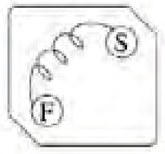
1. Various high power inductors are superior to be high saturation for surface mounting.

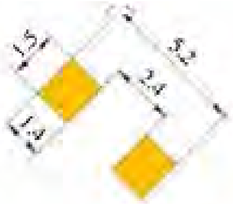
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

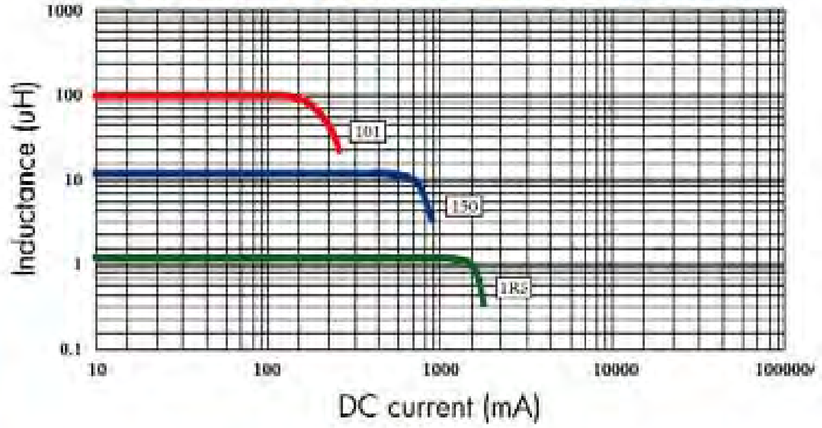




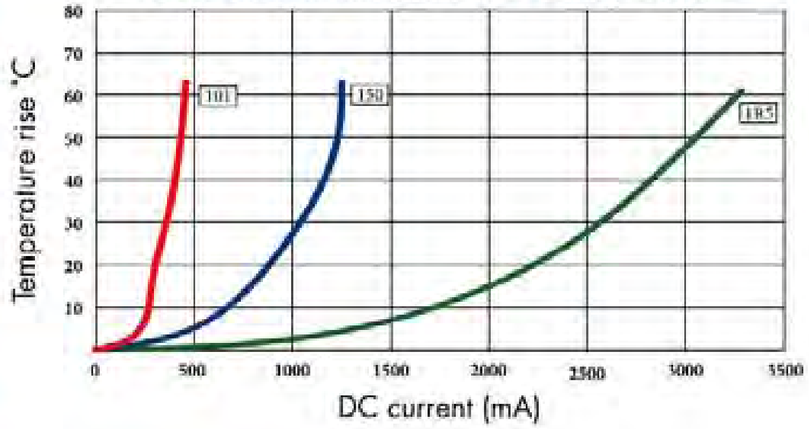




OWIRH3D16 Inductance decrease by current



OWIRH3D16 Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWIRH3D16 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH3D16-1R5	1.5	100KHZ	52m	1.55	2.25
OWIRH3D16-2R2	2.2	100KHZ	72m	1.20	1.80
OWIRH3D16-3R3	3.3	100KHZ	85m	1.10	1.60
OWIRH3D16-4R7	4.7	100KHZ	105m	0.90	1.41
OWIRH3D16-6R8	6.8	100KHZ	170m	0.73	1.14
OWIRH3D16-100	10	100KHZ	210m	0.55	1.08
OWIRH3D16-150	15	100KHZ	295m	0.45	0.92
OWIRH3D16-220	22	100KHZ	430m	0.40	0.78
OWIRH3D16-330	33	100KHZ	675m	0.32	0.62
OWIRH3D16-470	47	100KHZ	940m	0.22	0.52
OWIRH3D16-680	68	100KHZ	1.28	0.20	0.44
OWIRH3D16-820	82	100KHZ	1.55	0.17	0.41
OWIRH3D16-101	100	100KHZ	1.95	0.15	0.35

1. Inductance tested at 0.25V. Tolerance of inductance:±30%(N)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 35% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

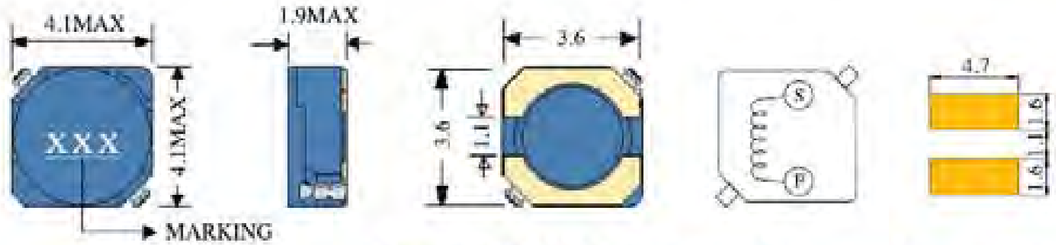
OWIRH3D16A TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

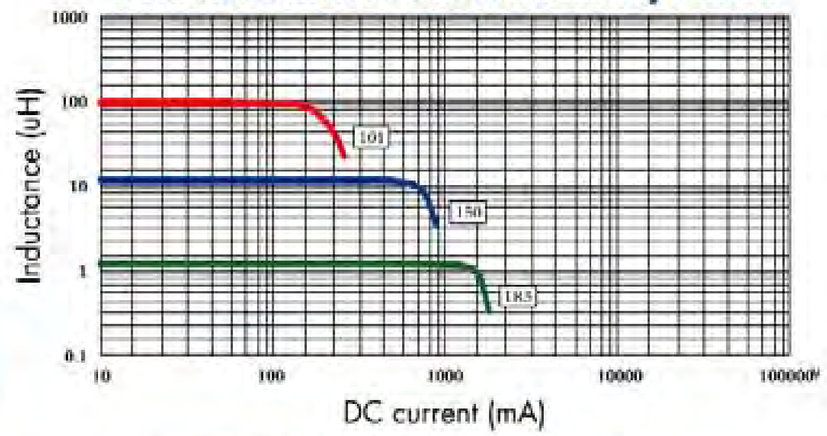
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



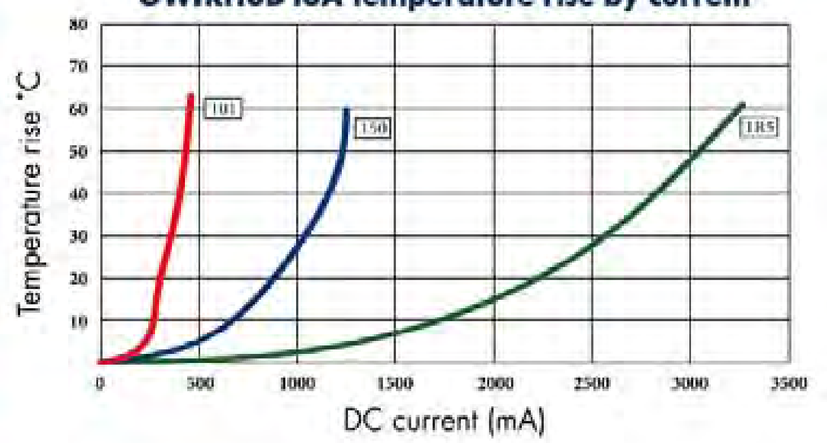
ELECTRICAL CHARACTERISTICS FOR OWIRH3D16A SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH3D16A-1R5	1.5	100KHZ	52m	1.55	2.25
OWIRH3D16A-2R2	2.2	100KHZ	72m	1.20	1.80
OWIRH3D16A-3R3	3.3	100KHZ	85m	1.10	1.60
OWIRH3D16A-4R7	4.7	100KHZ	105m	0.90	1.41
OWIRH3D16A-6R8	6.8	100KHZ	170m	0.73	1.14
OWIRH3D16A-100	10	100KHZ	210m	0.55	1.08
OWIRH3D16A-150	15	100KHZ	295m	0.45	0.92
OWIRH3D16A-220	22	100KHZ	430m	0.40	0.78
OWIRH3D16A-330	33	100KHZ	675m	0.32	0.62
OWIRH3D16A-470	47	100KHZ	940m	0.22	0.52
OWIRH3D16A-680	68	100KHZ	1.28	0.20	0.44
OWIRH3D16A-820	82	100KHZ	1.55	0.17	0.41
OWIRH3D16A-101	100	100KHZ	1.95	0.15	0.35

OWIRH3D16A Inductance decrease by current



OWIRH3D16A Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±30%(N)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 35% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

OWIRH3D28 TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

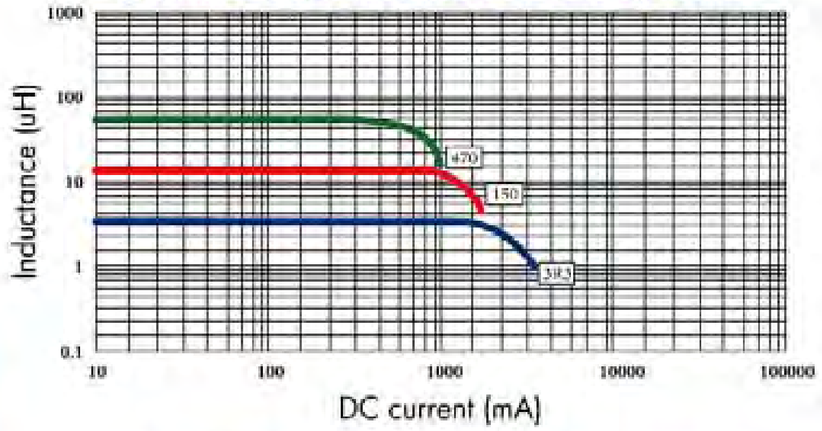
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

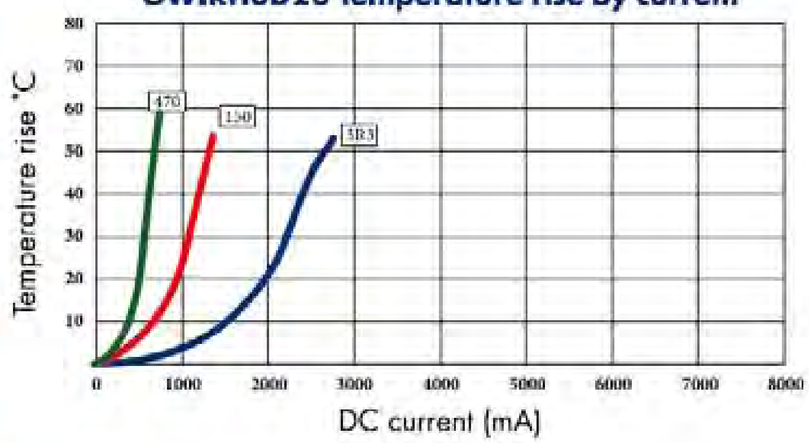
ELECTRICAL CHARACTERISTICS FOR OWIRH3D28 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH3D28-3R3	3.3	100KHZ	72.1m	2.00	2.15
OWIRH3D28-4R7	4.7	100KHZ	88.3m	1.65	1.94
OWIRH3D28-6R8	6.8	100KHZ	119m	1.24	1.75
OWIRH3D28-100	10	100KHZ	145m	1.05	1.57
OWIRH3D28-150	15	100KHZ	213m	0.90	1.02
OWIRH3D28-220	22	100KHZ	360m	0.76	0.96
OWIRH3D28-330	33	100KHZ	481m	0.58	0.82
OWIRH3D28-470	47	100KHZ	599m	0.48	0.56

OWIRH3D28 Inductance decrease by current



OWIRH3D28 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: ±30%(N)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 35% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

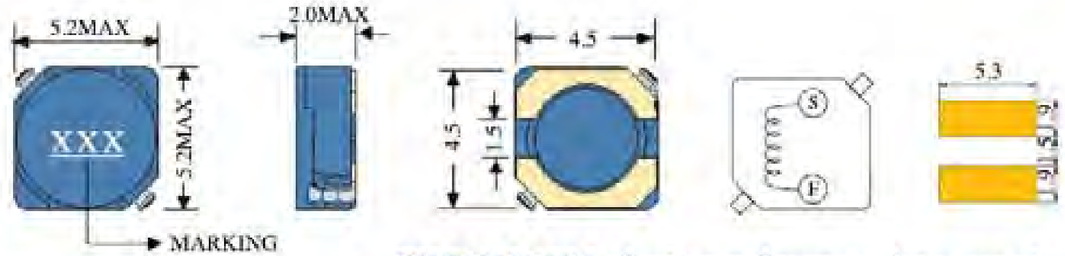
OWIRH4D18 TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

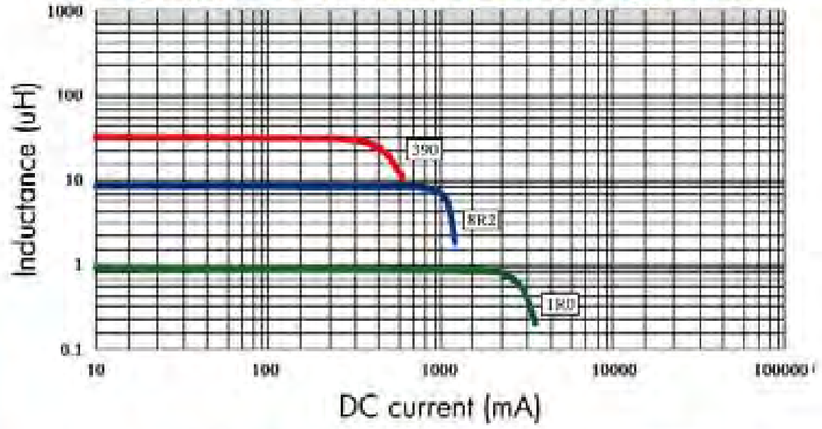
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



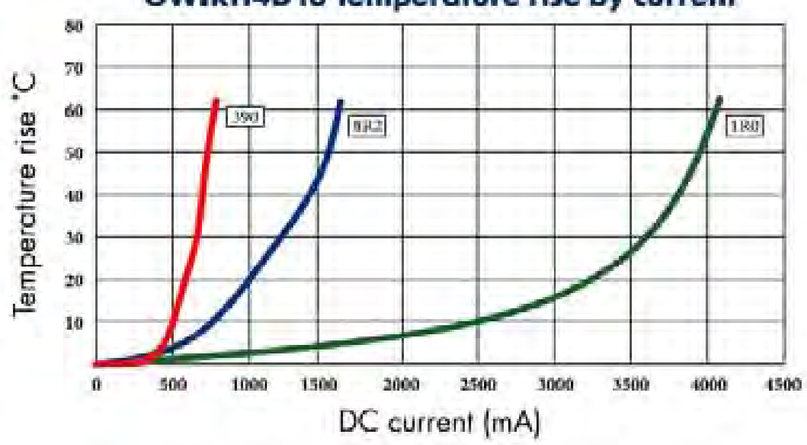
ELECTRICAL CHARACTERISTICS FOR OWIRH4D18 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH4D18-1R0	1.0	100KHZ	35m	1.72	3.60
OWIRH4D18-2R2	2.2	100KHZ	58m	1.32	2.70
OWIRH4D18-2R7	2.7	100KHZ	80m	1.28	2.40
OWIRH4D18-3R3	3.3	100KHZ	85m	1.04	2.10
OWIRH4D18-3R9	3.9	100KHZ	120m	0.88	1.79
OWIRH4D18-4R7	4.7	100KHZ	125m	0.84	1.70
OWIRH4D18-5R6	5.6	100KHZ	145m	0.80	1.35
OWIRH4D18-6R8	6.8	100KHZ	170m	0.76	1.28
OWIRH4D18-8R2	8.2	100KHZ	190m	0.68	1.10
OWIRH4D18-100	10	100KHZ	200m	0.61	1.08
OWIRH4D18-120	12	100KHZ	210m	0.56	1.00
OWIRH4D18-150	15	100KHZ	240m	0.50	0.95
OWIRH4D18-180	18	100KHZ	338m	0.48	0.90
OWIRH4D18-220	22	100KHZ	397m	0.41	0.80
OWIRH4D18-270	27	100KHZ	441m	0.35	0.72
OWIRH4D18-330	33	100KHZ	694m	0.32	0.66
OWIRH4D18-390	39	100KHZ	709m	0.30	0.59

OWIRH4D18 Inductance decrease by current



OWIRH4D18 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±30%(N)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 35% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

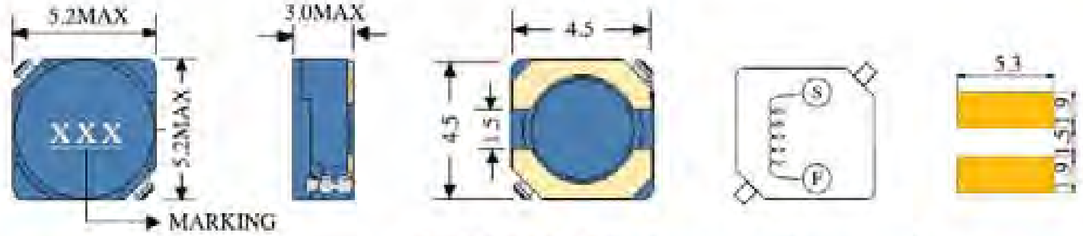
OWIRH4D28 TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

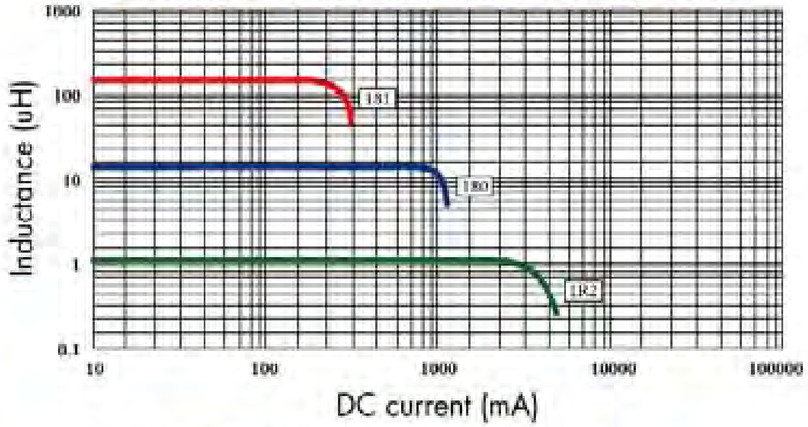
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



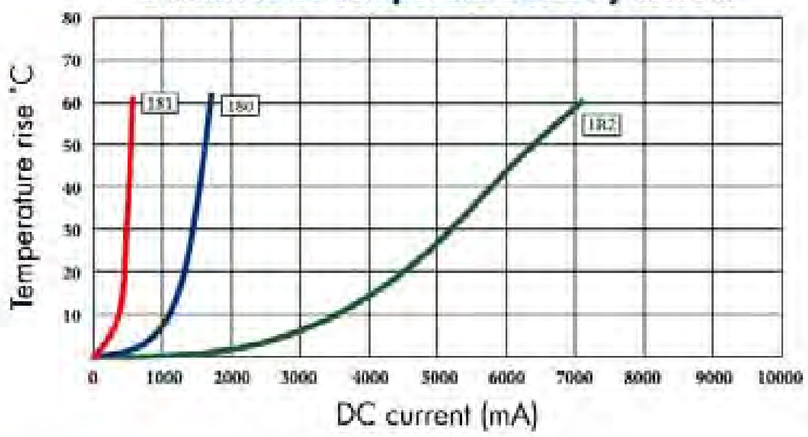
ELECTRICAL CHARACTERISTICS FOR OWIRH4D28 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH4D28-1R2	1.2	100KHZ	23.6m	2.56	5.00
OWIRH4D28-1R8	1.8	100KHZ	27.5m	2.20	4.00
OWIRH4D28-2R2	2.2	100KHZ	31.3m	2.04	3.60
OWIRH4D28-2R7	2.7	100KHZ	43.3m	1.60	3.24
OWIRH4D28-3R3	3.3	100KHZ	49.2m	1.57	2.91
OWIRH4D28-3R9	3.9	100KHZ	64.8m	1.44	2.61
OWIRH4D28-4R7	4.7	100KHZ	72.0m	1.32	2.32
OWIRH4D28-5R6	5.6	100KHZ	100m	1.17	2.08
OWIRH4D28-6R8	6.8	100KHZ	108m	1.12	1.87
OWIRH4D28-8R2	8.2	100KHZ	117m	1.04	1.77
OWIRH4D28-100	10	100KHZ	128m	1.00	1.51
OWIRH4D28-120	12	100KHZ	131m	0.84	1.50
OWIRH4D28-150	15	100KHZ	149m	0.76	1.48
OWIRH4D28-180	18	100KHZ	166m	0.72	1.42
OWIRH4D28-220	22	100KHZ	235m	0.70	1.17
OWIRH4D28-270	27	100KHZ	261m	0.58	1.05
OWIRH4D28-330	33	100KHZ	378m	0.56	0.95
OWIRH4D28-390	39	100KHZ	383m	0.50	0.81
OWIRH4D28-470	47	100KHZ	587m	0.48	0.73
OWIRH4D28-560	56	100KHZ	624m	0.41	0.66
OWIRH4D28-680	68	100KHZ	699m	0.35	0.60
OWIRH4D28-820	82	100KHZ	914m	0.32	0.57
OWIRH4D28-101	100	100KHZ	1.02	0.29	0.51
OWIRH4D28-121	120	100KHZ	1.27	0.27	0.48
OWIRH4D28-151	150	100KHZ	1.35	0.24	0.46
OWIRH4D28-181	180	100KHZ	1.54	0.22	0.44

OWIRH4D28 Inductance decrease by current



OWIRH4D28 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±30%(N)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 35% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

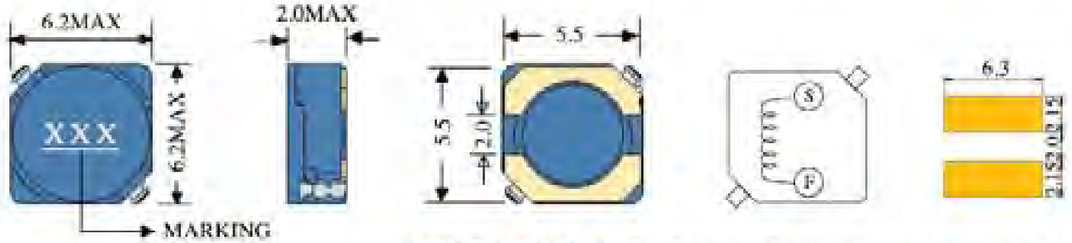
OWIRH5D18 TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

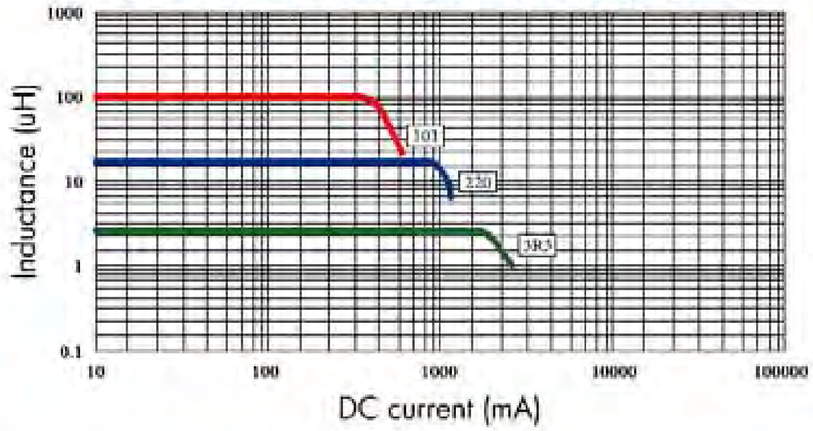
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



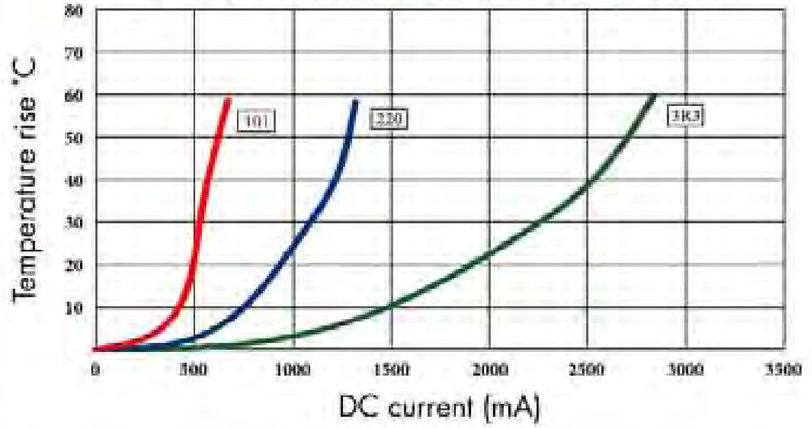
ELECTRICAL CHARACTERISTICS FOR OWIRH5D18 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH5D18-3R3	3.3	10KHZ	50m	2.15	2.15
OWIRH5D18-4R1	4.1	10KHZ	57m	1.95	1.95
OWIRH5D18-5R4	5.4	10KHZ	76m	1.60	1.85
OWIRH5D18-6R2	6.2	10KHZ	96m	1.40	1.75
OWIRH5D18-8R9	8.9	10KHZ	116m	1.25	1.57
OWIRH5D18-100	10	10KHZ	124m	1.20	1.41
OWIRH5D18-120	12	10KHZ	153m	1.10	1.37
OWIRH5D18-150	15	10KHZ	196m	0.97	1.34
OWIRH5D18-180	18	10KHZ	210m	0.85	1.10
OWIRH5D18-220	22	10KHZ	290m	0.80	1.00
OWIRH5D18-270	27	10KHZ	330m	0.75	0.90
OWIRH5D18-330	33	10KHZ	386m	0.65	0.81
OWIRH5D18-390	39	10KHZ	520m	0.57	0.77
OWIRH5D18-470	47	10KHZ	595m	0.54	0.73
OWIRH5D18-560	56	10KHZ	665m	0.50	0.65
OWIRH5D18-680	68	10KHZ	840m	0.43	0.62
OWIRH5D18-820	82	10KHZ	978m	0.41	0.55
OWIRH5D18-101	100	10KHZ	1.20	0.36	0.50

OWIRH5D18 Inductance decrease by current



OWIRH5D18 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±30%(N)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 35% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

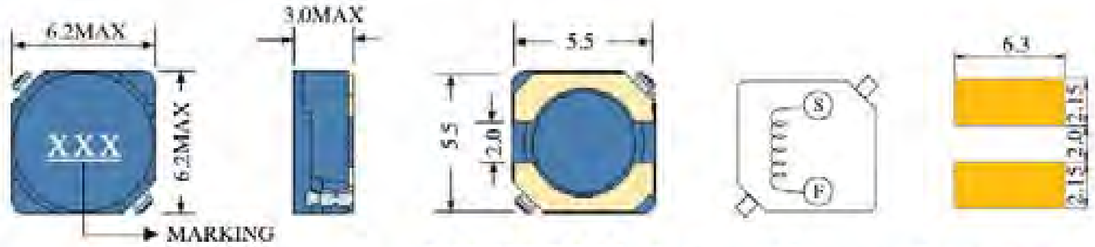
OWIRH5D28 TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

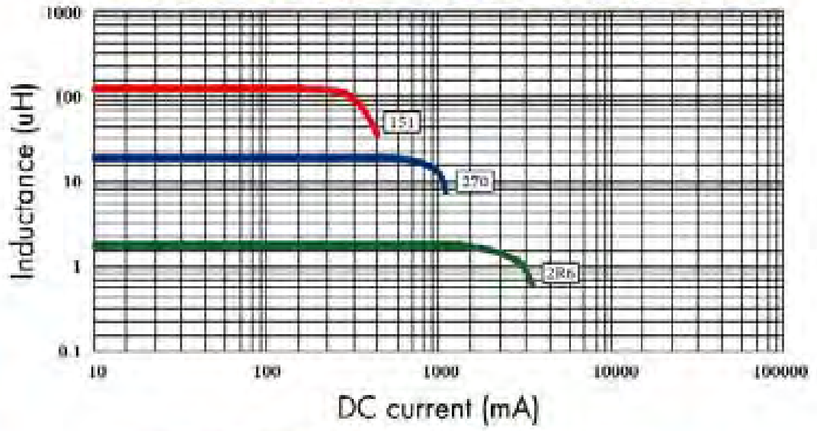
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



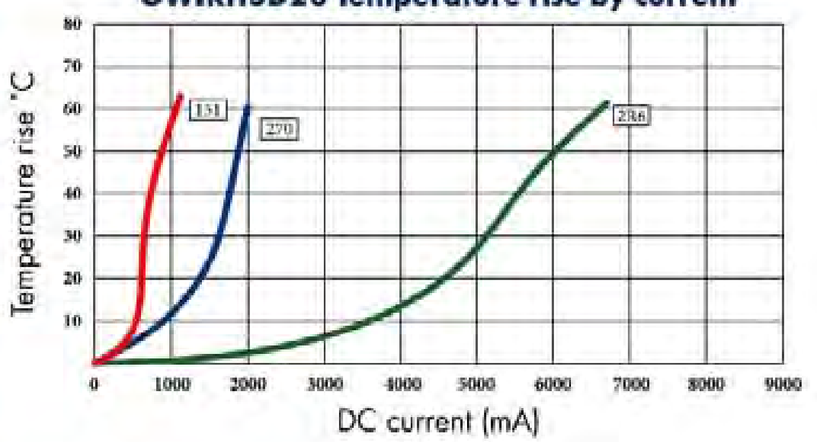
ELECTRICAL CHARACTERISTICS FOR OWIRH5D28 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH5D28-2R6	2.6	10KHZ	18m	2.60	4.90
OWIRH5D28-3R0	3.0	10KHZ	24m	2.30	4.40
OWIRH5D28-4R2	4.2	10KHZ	31m	2.00	4.00
OWIRH5D28-5R3	5.3	10KHZ	38m	1.80	3.60
OWIRH5D28-6R2	6.2	10KHZ	45m	1.65	3.24
OWIRH5D28-8R2	8.2	10KHZ	53m	1.44	2.92
OWIRH5D28-100	10	10KHZ	65m	1.30	2.62
OWIRH5D28-120	12	10KHZ	76m	1.15	2.35
OWIRH5D28-150	15	10KHZ	103m	1.00	2.11
OWIRH5D28-180	18	10KHZ	110m	0.95	1.89
OWIRH5D28-220	22	10KHZ	122m	0.86	1.70
OWIRH5D28-270	27	10KHZ	175m	0.79	1.53
OWIRH5D28-330	33	10KHZ	189m	0.72	1.37
OWIRH5D28-390	39	10KHZ	212m	0.65	1.23
OWIRH5D28-470	47	10KHZ	260m	0.60	1.10
OWIRH5D28-560	56	10KHZ	305m	0.55	1.04
OWIRH5D28-680	68	10KHZ	355m	0.50	0.98
OWIRH5D28-820	82	10KHZ	463m	0.45	0.93
OWIRH5D28-101	100	10KHZ	520m	0.40	0.84
OWIRH5D28-121	120	10KHZ	850m	0.31	0.75
OWIRH5D28-151	150	10KHZ	956m	0.26	0.68

OWIRH5D28 Inductance decrease by current



OWIRH5D28 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±30%(N)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 35% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

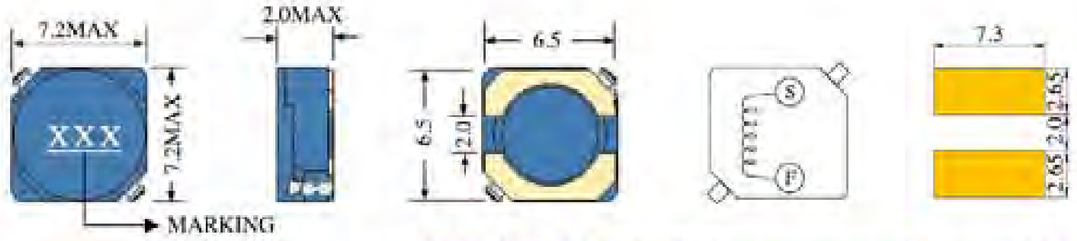
OWIRH6D18 TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

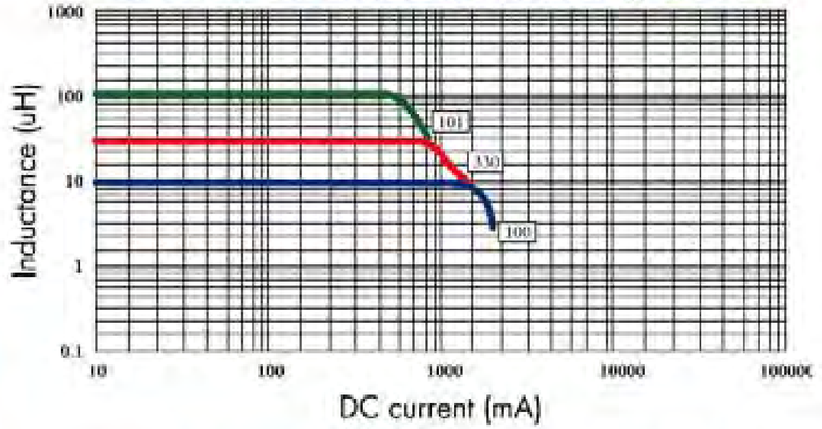
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



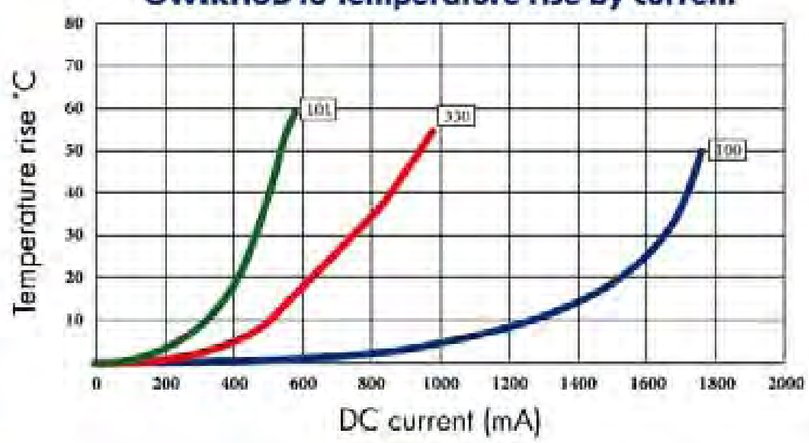
ELECTRICAL CHARACTERISTICS FOR OWIRH6D18 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH6D18-100	10	100KHZ	138m	1.40	1.50
OWIRH6D18-120	12	100KHZ	149m	1.30	1.40
OWIRH6D18-150	15	100KHZ	187m	1.20	1.30
OWIRH6D18-180	18	100KHZ	230m	1.10	1.00
OWIRH6D18-220	22	100KHZ	274m	1.00	0.90
OWIRH6D18-270	27	100KHZ	306m	0.90	0.86
OWIRH6D18-330	33	100KHZ	395m	0.86	0.77
OWIRH6D18-390	39	100KHZ	505m	0.80	0.69
OWIRH6D18-470	47	100KHZ	628m	0.73	0.63
OWIRH6D18-560	56	100KHZ	700m	0.60	0.59
OWIRH6D18-680	68	100KHZ	810m	0.55	0.59
OWIRH6D18-820	82	100KHZ	980m	0.50	0.50
OWIRH6D18-101	100	100KHZ	1.33	0.45	0.45

OWIRH6D18 Inductance decrease by current



OWIRH6D18 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: ±30%(N)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 35% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

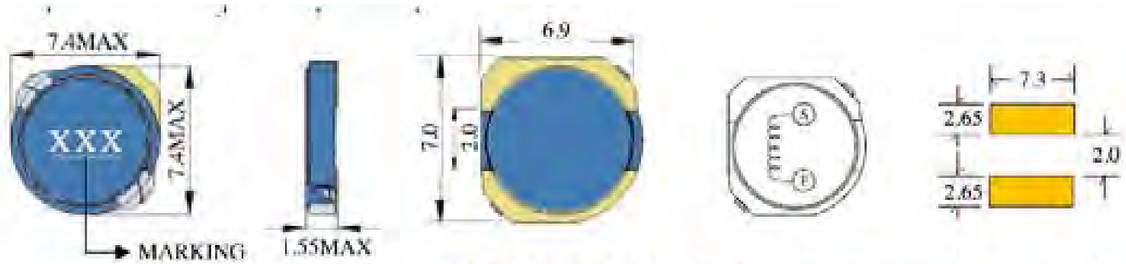
OWIRX6D15H TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

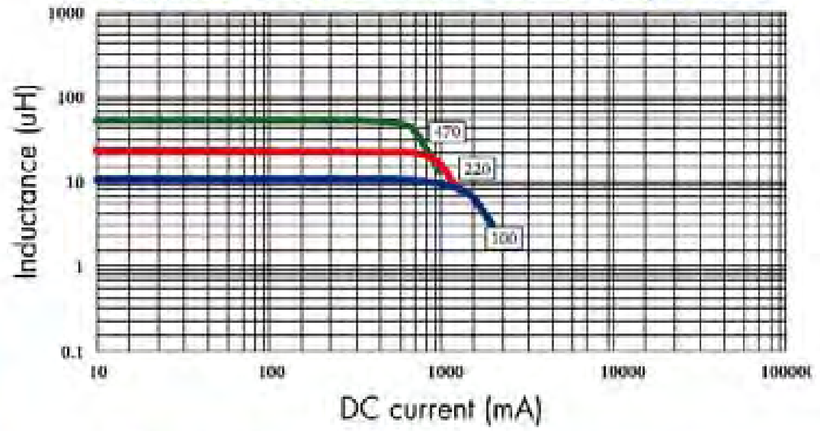
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



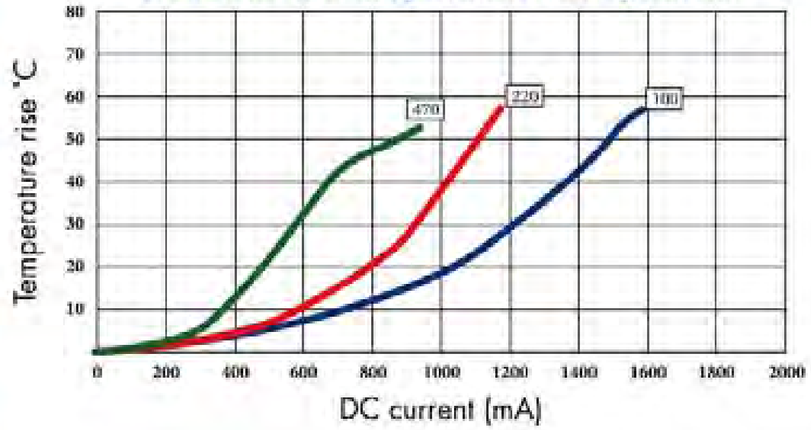
ELECTRICAL CHARACTERISTICS FOR OWIRX6D15H SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRX6D15H-100	10	100KHZ	210m	1.10	1.20
OWIRX6D15H-120	12	100KHZ	222m	1.00	1.14
OWIRX6D15H-150	15	100KHZ	276m	0.90	1.02
OWIRX6D15H-180	18	100KHZ	371m	0.80	0.96
OWIRX6D15H-220	22	100KHZ	476m	0.70	0.92
OWIRX6D15H-270	27	100KHZ	524m	0.62	0.74
OWIRX6D15H-330	33	100KHZ	586m	0.58	0.66
OWIRX6D15H-390	39	100KHZ	725m	0.52	0.65
OWIRX6D15H-470	47	100KHZ	811m	0.48	0.55

OWIRX6D15H Inductance decrease by current



OWIRX6D15H Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

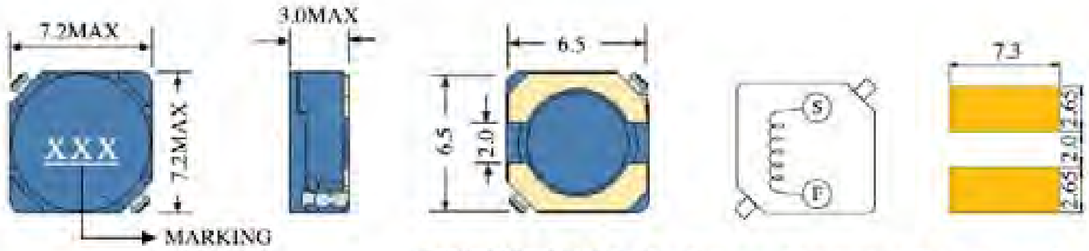
OWIRH6D28 TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

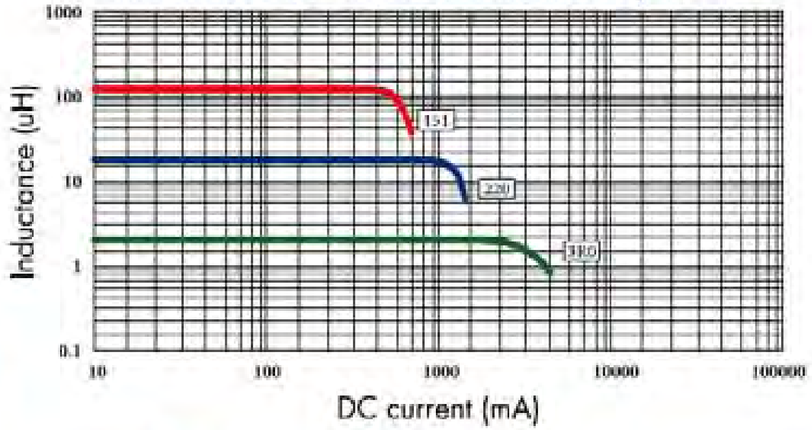
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



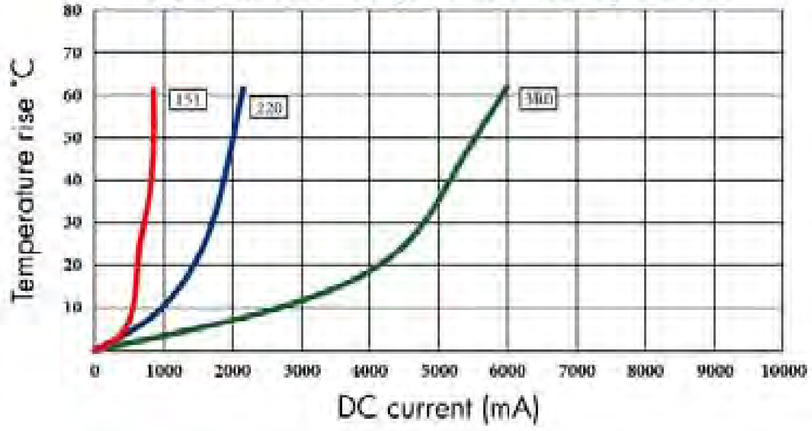
ELECTRICAL CHARACTERISTICS FOR OWIRH6D28 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH6D28-3R0	3.0	10KHZ	24m	3.00	4.70
OWIRH6D28-3R9	3.9	10KHZ	27m	2.60	4.50
OWIRH6D28-5R0	5.0	10KHZ	31m	2.40	4.00
OWIRH6D28-6R0	6.0	10KHZ	35m	2.25	3.60
OWIRH6D28-7R3	7.3	10KHZ	54m	2.10	3.23
OWIRH6D28-8R6	8.6	10KHZ	58m	1.85	2.90
OWIRH6D28-100	10	10KHZ	65m	1.70	2.60
OWIRH6D28-120	12	10KHZ	70m	1.55	2.34
OWIRH6D28-150	15	10KHZ	84m	1.40	2.10
OWIRH6D28-180	18	10KHZ	95m	1.32	1.89
OWIRH6D28-220	22	10KHZ	128m	1.20	1.70
OWIRH6D28-270	27	10KHZ	142m	1.05	1.62
OWIRH6D28-330	33	10KHZ	165m	0.97	1.37
OWIRH6D28-390	39	10KHZ	210m	0.86	1.23
OWIRH6D28-470	47	10KHZ	238m	0.80	1.17
OWIRH6D28-560	56	10KHZ	277m	0.73	1.11
OWIRH6D28-680	68	10KHZ	304m	0.65	0.99
OWIRH6D28-820	82	10KHZ	390m	0.60	0.89
OWIRH6D28-101	100	10KHZ	535m	0.54	0.80
OWIRH6D28-121	120	10KHZ	580m	0.45	0.72
OWIRH6D28-151	150	10KHZ	615m	0.42	0.68

OWIRH6D28 Inductance decrease by current



OWIRH6D28 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±30%(N)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 35% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

OWIRH6D38 TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

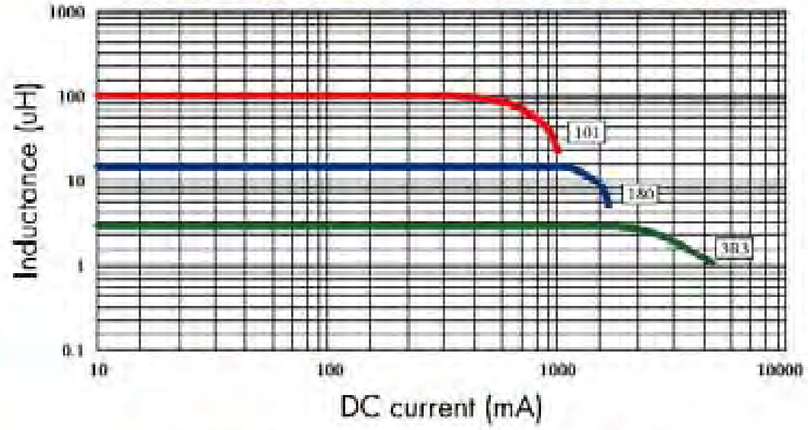
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

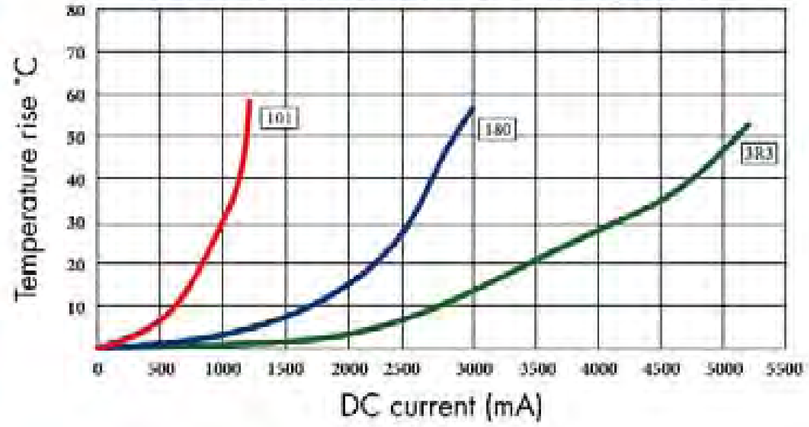
ELECTRICAL CHARACTERISTICS FOR OWIRH6D38 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH6D38-3R3	3.3	10KHZ	23m	3.50	4.00
OWIRH6D38-5R0	5.0	10KHZ	26m	2.90	3.80
OWIRH6D38-6R2	6.2	10KHZ	27m	2.50	3.60
OWIRH6D38-7R4	7.4	10KHZ	31m	2.30	3.50
OWIRH6D38-8R7	8.7	10KHZ	34m	2.20	3.33
OWIRH6D38-100	10	10KHZ	38m	2.00	3.20
OWIRH6D38-120	12	10KHZ	53m	1.70	2.88
OWIRH6D38-150	15	10KHZ	57m	1.60	2.59
OWIRH6D38-180	18	10KHZ	92m	1.50	2.43
OWIRH6D38-220	22	10KHZ	96m	1.30	2.18
OWIRH6D38-270	27	10KHZ	109m	1.20	1.96
OWIRH6D38-330	33	10KHZ	124m	1.10	1.76
OWIRH6D38-390	39	10KHZ	138m	1.00	1.67
OWIRH6D38-470	47	10KHZ	155m	0.95	1.50
OWIRH6D38-560	56	10KHZ	202m	0.85	1.35
OWIRH6D38-680	68	10KHZ	234m	0.75	1.21
OWIRH6D38-820	82	10KHZ	324m	0.70	1.08
OWIRH6D38-101	100	10KHZ	358m	0.65	0.97

OWIRH6D38 Inductance decrease by current



OWIRH6D38 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±30%(N)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 35% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

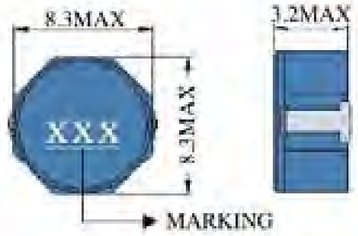
OWIRH8D28 TYPE

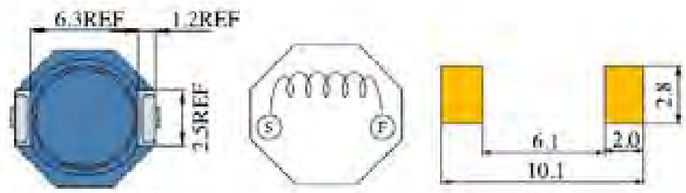
FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

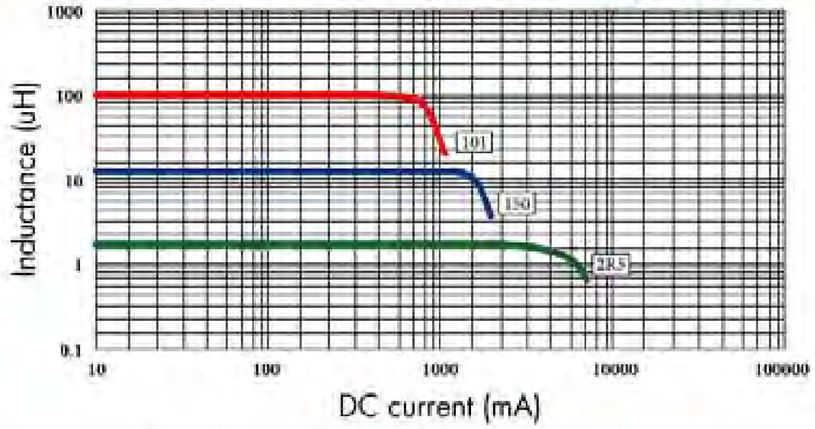




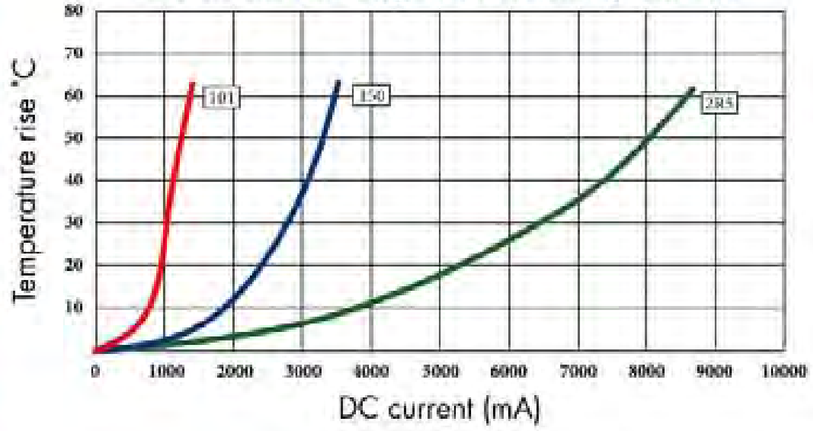
ELECTRICAL CHARACTERISTICS FOR OWIRH8D28 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH8D28-2R5	2.5	100KHZ	15.6m	4.50	6.40
OWIRH8D28-3R3	3.3	100KHZ	18.2m	4.00	4.80
OWIRH8D28-4R7	4.7	100KHZ	24.7m	3.40	4.32
OWIRH8D28-7R3	7.3	100KHZ	39m	2.80	3.60
OWIRH8D28-100	10	100KHZ	47m	2.30	3.25
OWIRH8D28-150	15	100KHZ	69m	1.90	2.80
OWIRH8D28-220	22	100KHZ	99m	1.60	1.85
OWIRH8D28-330	33	100KHZ	156m	1.30	1.66
OWIRH8D28-470	47	100KHZ	195m	1.15	1.30
OWIRH8D28-680	68	100KHZ	286m	0.95	1.17
OWIRH8D28-101	100	100KHZ	430m	0.75	1.05

OWIRH8D28 Inductance decrease by current



OWIRH8D28 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±30%(N)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 35% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

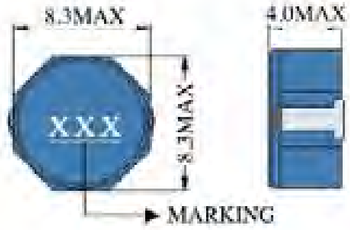
OWIRH8D38 TYPE

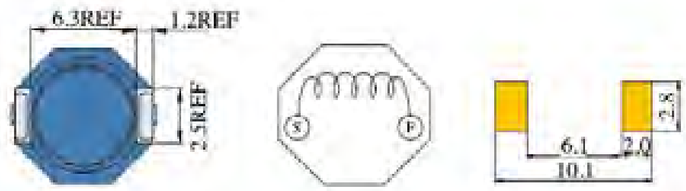
FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

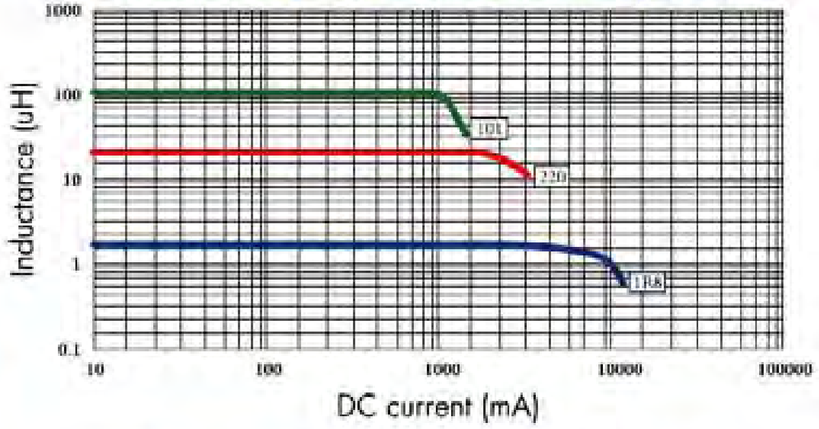




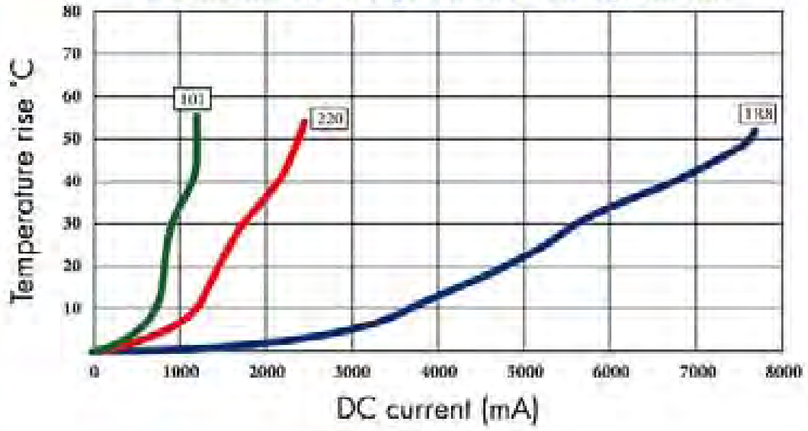
ELECTRICAL CHARACTERISTICS FOR OWIRH8D38 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH8D38-1R8	1.8	100KHZ	15.6m	7.00	6.20
OWIRH8D38-2R5	2.5	100KHZ	17.5m	6.50	5.22
OWIRH8D38-3R5	3.5	100KHZ	24m	5.00	4.40
OWIRH8D38-4R7	4.7	100KHZ	29m	4.60	4.00
OWIRH8D38-6R0	6.0	100KHZ	32m	4.20	3.50
OWIRH8D38-100	10	100KHZ	48m	3.00	2.60
OWIRH8D38-120	12	100KHZ	55m	2.85	2.47
OWIRH8D38-150	15	100KHZ	67m	2.75	2.30
OWIRH8D38-180	18	100KHZ	80m	2.50	2.07
OWIRH8D38-220	22	100KHZ	105m	2.30	1.75
OWIRH8D38-270	27	100KHZ	120m	2.00	1.66
OWIRH8D38-330	33	100KHZ	157m	1.75	1.52
OWIRH8D38-390	39	100KHZ	165m	1.60	1.43
OWIRH8D38-470	47	100KHZ	189m	1.52	1.35
OWIRH8D38-560	56	100KHZ	215m	1.40	1.20
OWIRH8D38-680	68	100KHZ	290m	1.30	1.10
OWIRH8D38-820	82	100KHZ	320m	1.20	0.99
OWIRH8D38-101	100	100KHZ	410m	1.05	0.88

OWIRH8D38 Inductance decrease by current



OWIRH8D38 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: ±30%(N)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 35% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

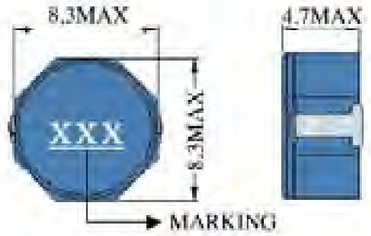
OWIRH8D43 TYPE

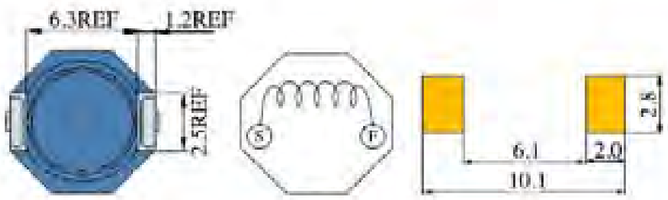
FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

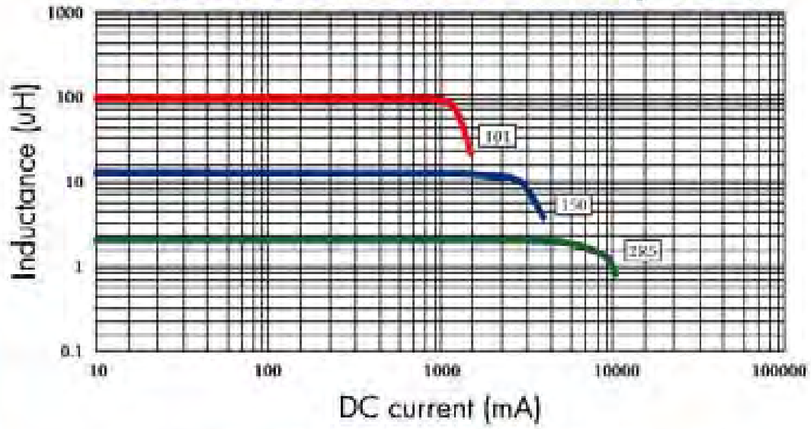




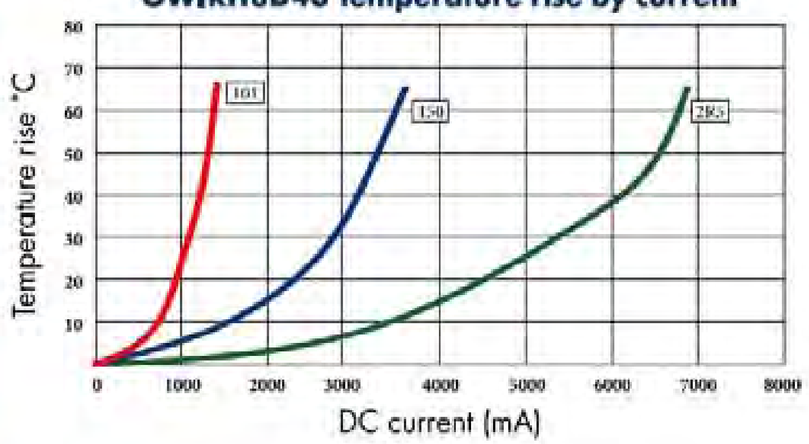
ELECTRICAL CHARACTERISTICS FOR OWIRH8D43 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH8D43-2R5	2.5	100KHZ	17m	6.4	5.70
OWIRH8D43-3R9	3.9	100KHZ	19m	5.0	5.00
OWIRH8D43-4R7	4.7	100KHZ	22m	4.6	4.60
OWIRH8D43-6R8	6.8	100KHZ	28m	4.2	3.90
OWIRH8D43-100	10	100KHZ	36m	3.6	3.50
OWIRH8D43-150	15	100KHZ	53m	2.6	2.70
OWIRH8D43-220	22	100KHZ	75m	2.1	2.43
OWIRH8D43-330	33	100KHZ	125m	1.6	1.76
OWIRH8D43-470	47	100KHZ	150m	1.4	1.58
OWIRH8D43-680	68	100KHZ	240m	1.2	1.42
OWIRH8D43-101	100	100KHZ	360m	0.9	0.99

OWIRH8D43 Inductance decrease by current



OWIRH8D43 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±30%(N)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 35% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

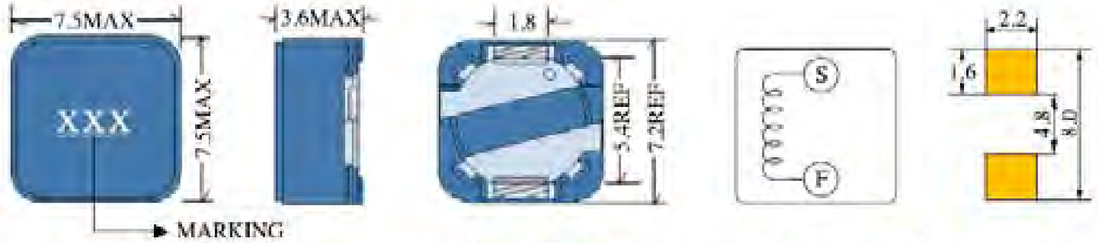
OWIPH73 TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

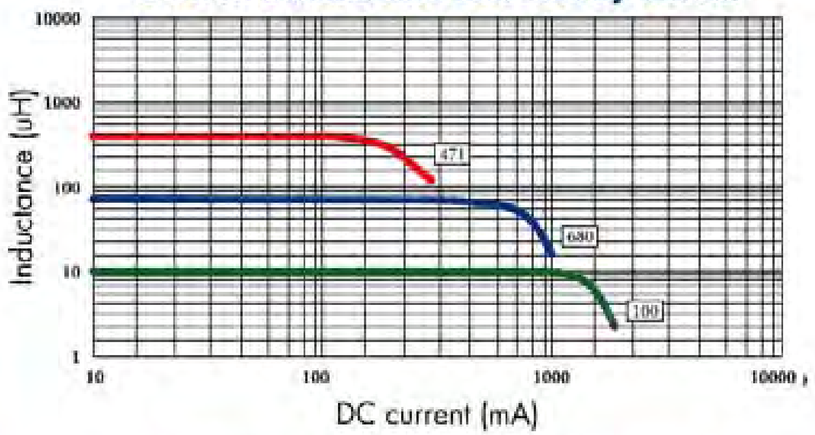
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



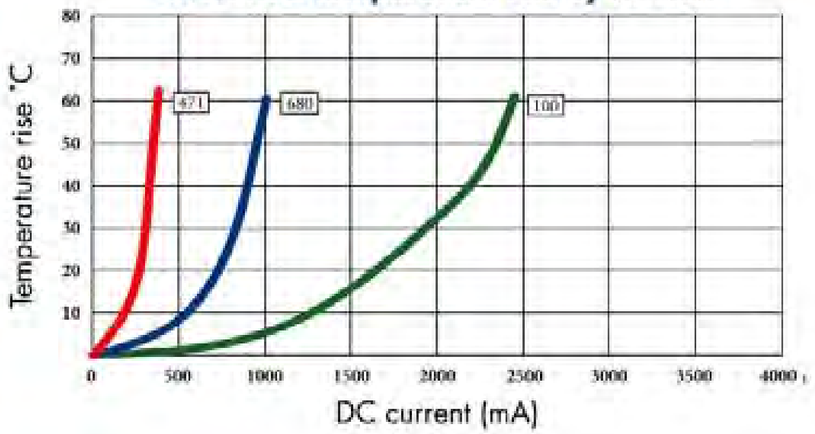
ELECTRICAL CHARACTERISTICS FOR OWIPH73 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIPH73-100	10	1KHZ	90m	1.40	2.00
OWIPH73-120	12	1KHZ	0.10	1.30	1.80
OWIPH73-150	15	1KHZ	0.13	1.20	1.62
OWIPH73-180	18	1KHZ	0.15	1.10	1.54
OWIPH73-220	22	1KHZ	0.17	1.00	1.38
OWIPH73-270	27	1KHZ	0.21	0.88	1.30
OWIPH73-330	33	1KHZ	0.24	0.80	1.23
OWIPH73-390	39	1KHZ	0.31	0.75	1.16
OWIPH73-470	47	1KHZ	0.35	0.67	1.10
OWIPH73-560	56	1KHZ	0.40	0.62	0.89
OWIPH73-680	68	1KHZ	0.52	0.54	0.84
OWIPH73-820	82	1KHZ	0.60	0.52	0.80
OWIPH73-101	100	1KHZ	0.70	0.46	0.68
OWIPH73-121	120	1KHZ	0.82	0.42	0.61
OWIPH73-151	150	1KHZ	1.35	0.37	0.54
OWIPH73-181	180	1KHZ	1.50	0.33	0.48
OWIPH73-221	220	1KHZ	1.70	0.30	0.43
OWIPH73-271	270	1KHZ	1.90	0.28	0.40
OWIPH73-331	330	1KHZ	2.80	0.25	0.34
OWIPH73-391	390	1KHZ	3.00	0.22	0.32
OWIPH73-471	470	1KHZ	3.50	0.20	0.30

OWIPH73 Inductance decrease by current



OWIPH73 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 35% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

OWIPH73B TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

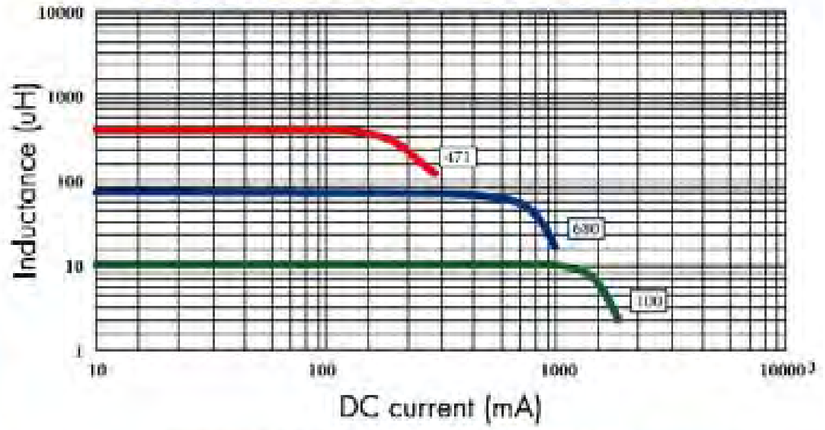
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

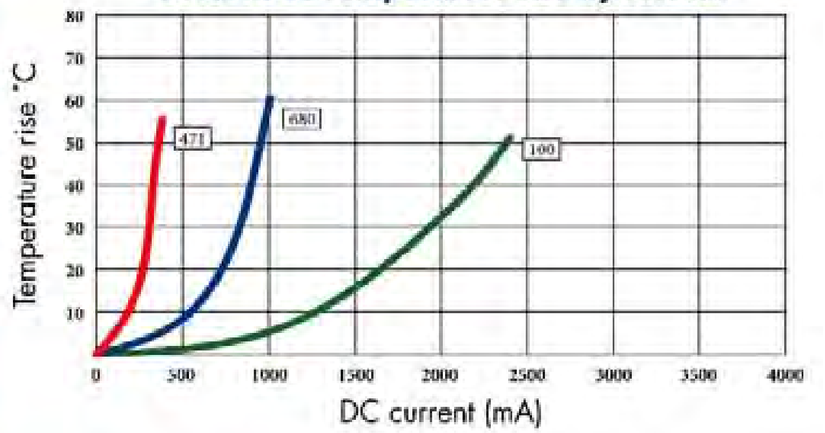
ELECTRICAL CHARACTERISTICS FOR OWIPH73B SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIPH73B-100	10	1KHZ	90m	1.40	2.00
OWIPH73B-120	12	1KHZ	0.10	1.30	1.80
OWIPH73B-150	15	1KHZ	0.13	1.20	1.62
OWIPH73B-180	18	1KHZ	0.15	1.10	1.54
OWIPH73B-220	22	1KHZ	0.17	1.00	1.38
OWIPH73B-270	27	1KHZ	0.21	0.88	1.30
OWIPH73B-330	33	1KHZ	0.24	0.80	1.23
OWIPH73B-390	39	1KHZ	0.31	0.75	1.16
OWIPH73B-470	47	1KHZ	0.35	0.67	1.10
OWIPH73B-560	56	1KHZ	0.40	0.62	0.89
OWIPH73B-680	68	1KHZ	0.52	0.54	0.84
OWIPH73B-820	82	1KHZ	0.60	0.52	0.80
OWIPH73B-101	100	1KHZ	0.70	0.46	0.68
OWIPH73B-121	120	1KHZ	0.82	0.42	0.61
OWIPH73B-151	150	1KHZ	1.35	0.37	0.54
OWIPH73B-181	180	1KHZ	1.50	0.33	0.48
OWIPH73B-221	220	1KHZ	1.70	0.30	0.43
OWIPH73B-271	270	1KHZ	1.90	0.28	0.40
OWIPH73B-331	330	1KHZ	2.80	0.25	0.34
OWIPH73B-391	390	1KHZ	3.00	0.22	0.32
OWIPH73B-471	470	1KHZ	3.50	0.20	0.30

OWIPH73B Inductance decrease by current



OWIPH73B Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 35% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

OWIRH62 TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

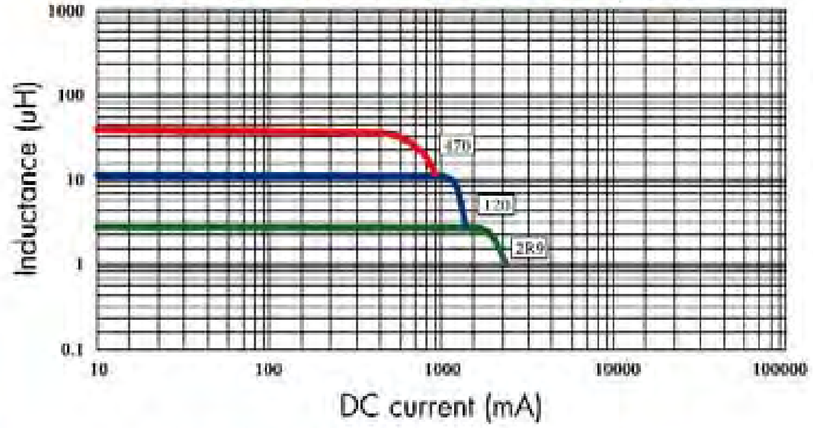
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

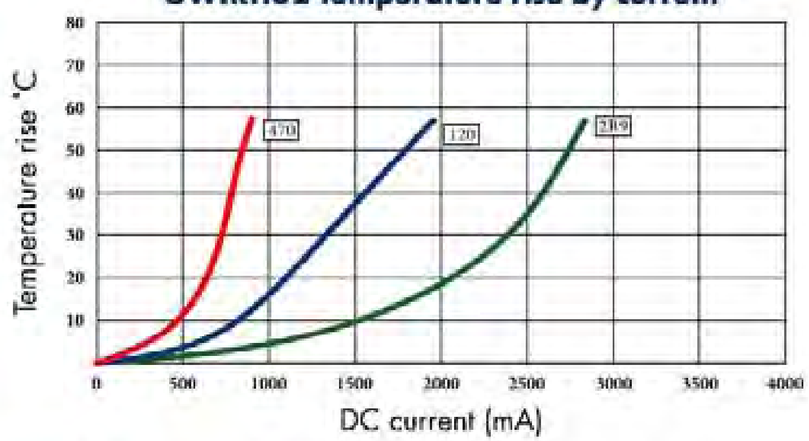
ELECTRICAL CHARACTERISTICS FOR OWIRH62 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH62-2R9	2.9	100KHZ	68m	1.94	2.50
OWIRH62-4R0	4.0	100KHZ	80m	1.63	2.00
OWIRH62-5R5	5.5	100KHZ	96m	1.40	1.80
OWIRH62-6R3	6.3	100KHZ	0.10	1.30	1.62
OWIRH62-7R1	7.1	100KHZ	0.11	1.22	1.53
OWIRH62-8R0	8.0	100KHZ	0.12	1.15	1.46
OWIRH62-100	10	100KHZ	0.15	1.10	1.38
OWIRH62-120	12	100KHZ	0.20	1.00	1.24
OWIRH62-150	15	100KHZ	0.23	0.90	1.17
OWIRH62-180	18	100KHZ	0.27	0.80	1.05
OWIRH62-220	22	100KHZ	0.34	0.74	0.99
OWIRH62-270	27	100KHZ	0.38	0.66	0.89
OWIRH62-330	33	100KHZ	0.45	0.59	0.84
OWIRH62-390	39	100KHZ	0.49	0.54	0.79
OWIRH62-470	47	100KHZ	0.69	0.50	0.75

OWIRH62 Inductance decrease by current



OWIRH62 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 2.9uH~8.0uH: ±30%(N) 10uH~47uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

OWIRH64 TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

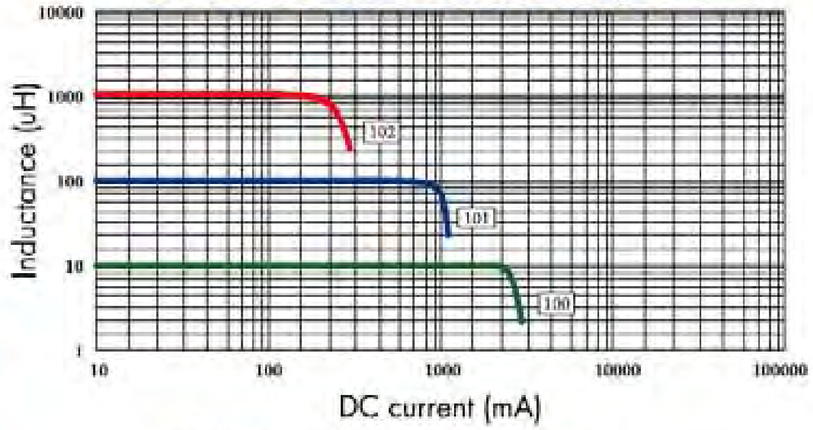
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

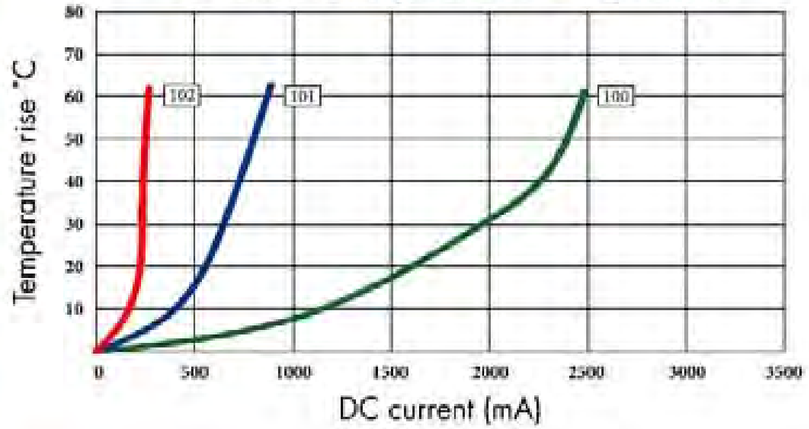
ELECTRICAL CHARACTERISTICS FOR OWIRH64 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH64-100	10	1KHZ	0.12	1.35	2.00
OWIRH64-120	12	1KHZ	0.13	1.22	1.80
OWIRH64-150	15	1KHZ	0.18	1.11	1.62
OWIRH64-180	18	1KHZ	0.24	1.02	1.45
OWIRH64-220	22	1KHZ	0.27	0.91	1.30
OWIRH64-270	27	1KHZ	0.30	0.82	1.17
OWIRH64-330	33	1KHZ	0.33	0.74	1.05
OWIRH64-390	39	1KHZ	0.37	0.69	0.95
OWIRH64-470	47	1KHZ	0.52	0.62	0.90
OWIRH64-560	56	1KHZ	0.56	0.58	0.85
OWIRH64-680	68	1KHZ	0.63	0.51	0.80
OWIRH64-820	82	1KHZ	0.71	0.46	0.72
OWIRH64-101	100	1KHZ	1.03	0.42	0.64
OWIRH64-121	120	1KHZ	1.15	0.38	0.57
OWIRH64-151	150	1KHZ	1.68	0.35	0.51
OWIRH64-181	180	1KHZ	1.87	0.32	0.48
OWIRH64-221	220	1KHZ	2.08	0.29	0.46
OWIRH64-271	270	1KHZ	2.37	0.26	0.45
OWIRH64-331	330	1KHZ	2.67	0.23	0.42
OWIRH64-391	390	1KHZ	2.94	0.22	0.40
OWIRH64-471	470	1KHZ	3.93	0.20	0.38
OWIRH64-561	560	1KHZ	5.43	0.18	0.36
OWIRH64-681	680	1KHZ	7.32	0.17	0.30
OWIRH64-821	820	1KHZ	8.24	0.15	0.24
OWIRH64-102	1000	1KHZ	9.26	0.14	0.21

OWIRH64 Inductance decrease by current



OWIRH64 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

OWIRH73 TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

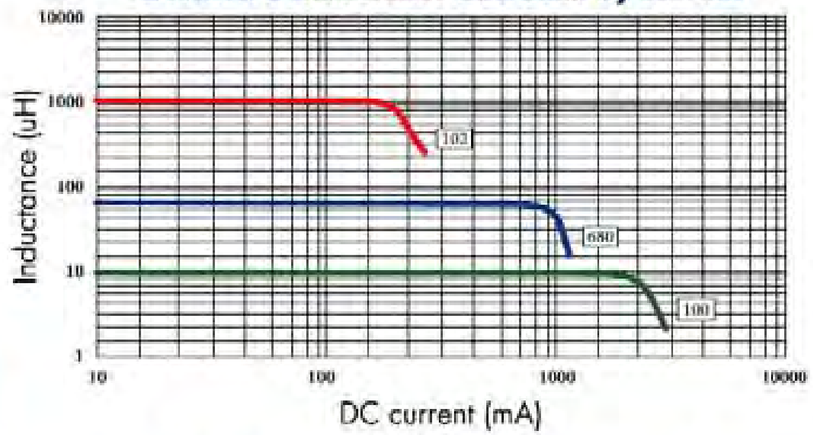
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

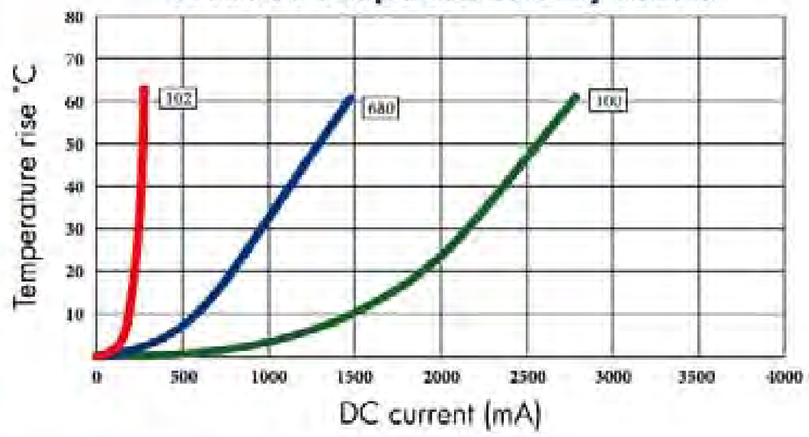
ELECTRICAL CHARACTERISTICS FOR OWIRH73 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH73-100	10	1KHZ	72m	1.68	1.68
OWIRH73-120	12	1KHZ	98m	1.52	1.52
OWIRH73-150	15	1KHZ	0.13	1.33	1.46
OWIRH73-180	18	1KHZ	0.14	1.20	1.44
OWIRH73-220	22	1KHZ	0.19	1.07	1.28
OWIRH73-270	27	1KHZ	0.21	0.96	1.26
OWIRH73-330	33	1KHZ	0.24	0.91	1.18
OWIRH73-390	39	1KHZ	0.32	0.77	1.00
OWIRH73-470	47	1KHZ	0.36	0.76	0.91
OWIRH73-560	56	1KHZ	0.47	0.68	0.81
OWIRH73-680	68	1KHZ	0.52	0.61	0.79
OWIRH73-820	82	1KHZ	0.69	0.57	0.74
OWIRH73-101	100	1KHZ	0.79	0.50	0.65
OWIRH73-121	120	1KHZ	0.89	0.49	0.63
OWIRH73-151	150	1KHZ	1.29	0.43	0.55
OWIRH73-181	180	1KHZ	1.45	0.39	0.51
OWIRH73-221	220	1KHZ	1.65	0.35	0.46
OWIRH73-271	270	1KHZ	2.31	0.32	0.45
OWIRH73-331	330	1KHZ	2.62	0.28	0.40
OWIRH73-391	390	1KHZ	2.94	0.26	0.37
OWIRH73-471	470	1KHZ	4.18	0.24	0.34
OWIRH73-561	560	1KHZ	4.67	0.22	0.31
OWIRH73-681	680	1KHZ	5.73	0.19	0.27
OWIRH73-821	820	1KHZ	6.54	0.18	0.27
OWIRH73-102	1000	1KHZ	9.44	0.16	0.23

OWIRH73 Inductance decrease by current



OWIRH73 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

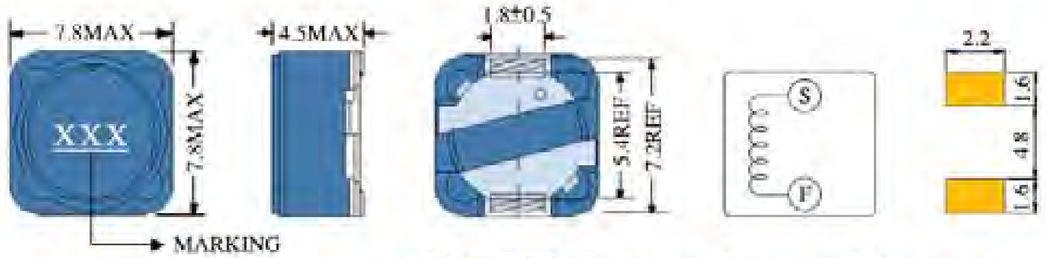
OWIRH74 TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

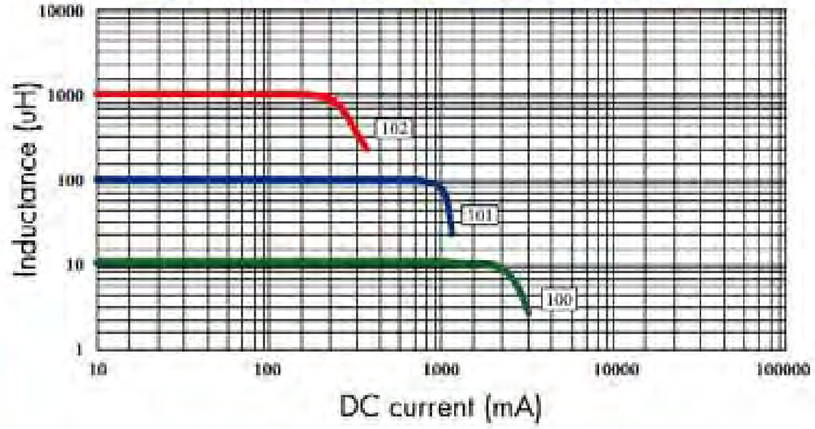
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



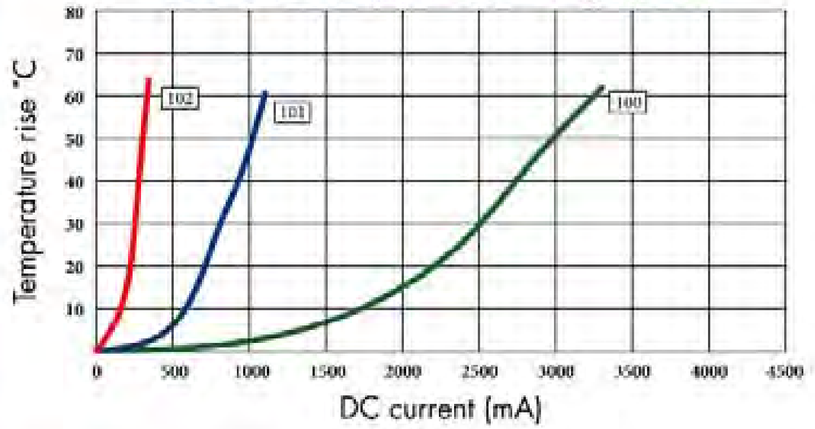
ELECTRICAL CHARACTERISTICS FOR OWIRH74 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH74-100	10	1KHZ	53m	1.84	2.40
OWIRH74-120	12	1KHZ	58m	1.71	2.21
OWIRH74-150	15	1KHZ	81m	1.47	2.09
OWIRH74-180	18	1KHZ	91m	1.31	1.81
OWIRH74-220	22	1KHZ	0.11	1.23	1.73
OWIRH74-270	27	1KHZ	0.15	1.12	1.60
OWIRH74-330	33	1KHZ	0.17	0.96	1.36
OWIRH74-390	39	1KHZ	0.23	0.91	1.26
OWIRH74-470	47	1KHZ	0.26	0.88	1.18
OWIRH74-560	56	1KHZ	0.35	0.75	1.05
OWIRH74-680	68	1KHZ	0.38	0.69	1.04
OWIRH74-820	82	1KHZ	0.43	0.61	0.91
OWIRH74-101	100	1KHZ	0.61	0.60	0.75
OWIRH74-121	120	1KHZ	0.66	0.52	0.70
OWIRH74-151	150	1KHZ	0.88	0.46	0.65
OWIRH74-181	180	1KHZ	0.98	0.42	0.60
OWIRH74-221	220	1KHZ	1.17	0.36	0.55
OWIRH74-271	270	1KHZ	1.64	0.34	0.55
OWIRH74-331	330	1KHZ	1.86	0.32	0.47
OWIRH74-391	390	1KHZ	2.85	0.29	0.42
OWIRH74-471	470	1KHZ	3.01	0.26	0.38
OWIRH74-561	560	1KHZ	3.62	0.23	0.32
OWIRH74-681	680	1KHZ	4.63	0.22	0.30
OWIRH74-821	820	1KHZ	5.20	0.20	0.25
OWIRH74-102	1000	1KHZ	6.00	0.18	0.25

OWIRH74 Inductance decrease by current



OWIRH74 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

OWIRH104 TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

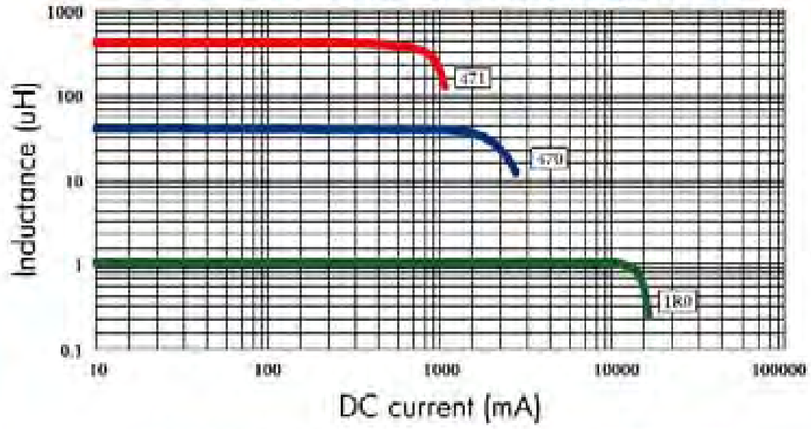
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

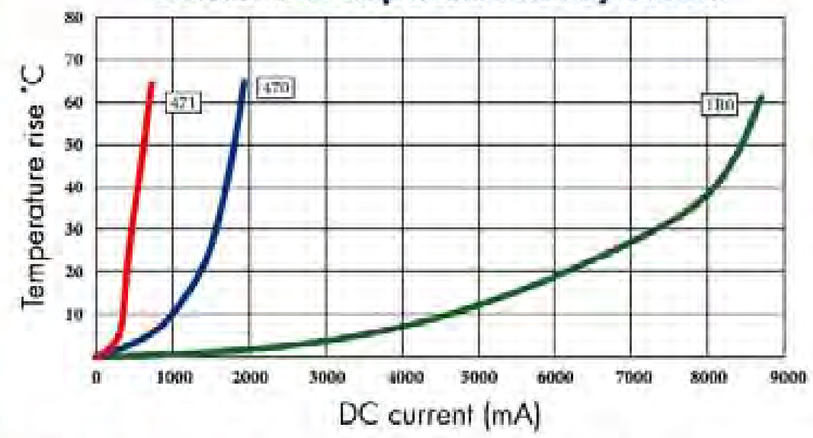
ELECTRICAL CHARACTERISTICS FOR OWIRH104 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH104-1R0	1.0	100KHZ	14m	8.50	7.00
OWIRH104-1R5	1.5	100KHZ	17m	8.00	5.80
OWIRH104-2R2	2.2	100KHZ	24m	7.50	5.20
OWIRH104-3R3	3.3	100KHZ	29m	7.00	4.68
OWIRH104-4R7	4.7	100KHZ	32m	6.00	4.22
OWIRH104-6R8	6.8	100KHZ	44m	5.00	3.60
OWIRH104-100	10	100KHZ	50m	2.40	3.40
OWIRH104-120	12	100KHZ	54m	2.25	3.00
OWIRH104-150	15	100KHZ	69m	2.00	2.70
OWIRH104-180	18	100KHZ	84m	1.80	2.40
OWIRH104-220	22	100KHZ	94m	1.65	2.16
OWIRH104-270	27	100KHZ	0.11	1.45	1.95
OWIRH104-330	33	100KHZ	0.15	1.35	1.76
OWIRH104-390	39	100KHZ	0.17	1.20	1.59
OWIRH104-470	47	100KHZ	0.21	1.10	1.52
OWIRH104-560	56	100KHZ	0.23	1.00	1.40
OWIRH104-680	68	100KHZ	0.29	0.93	1.17
OWIRH104-820	82	100KHZ	0.36	0.84	1.06
OWIRH104-101	100	100KHZ	0.41	0.76	0.96
OWIRH104-121	120	100KHZ	0.45	0.70	0.87
OWIRH104-151	150	100KHZ	0.64	0.63	0.79
OWIRH104-181	180	100KHZ	0.84	0.57	0.72
OWIRH104-221	220	100KHZ	0.86	0.52	0.65
OWIRH104-271	270	100KHZ	1.07	0.47	0.59
OWIRH104-331	330	100KHZ	1.37	0.43	0.54
OWIRH104-391	390	100KHZ	1.55	0.39	0.49
OWIRH104-471	470	100KHZ	1.74	0.36	0.44

OWIRH104 Inductance decrease by current



OWIRH104 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 1.0uH~6.8uH: ±30%(N) 10uH~470uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

OWIRH105 TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

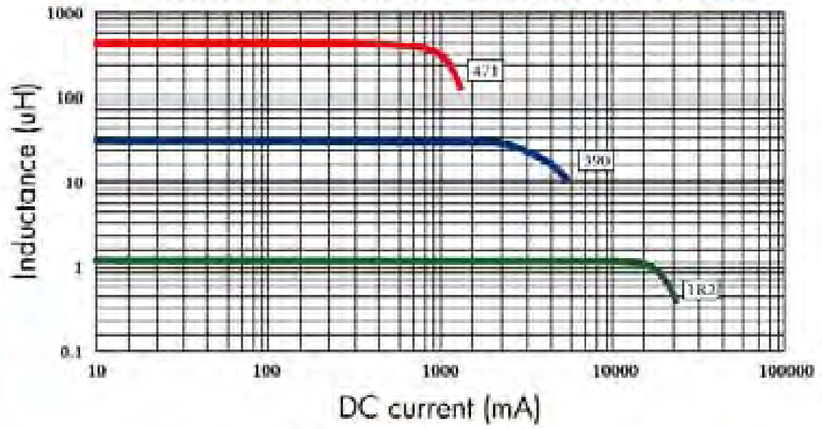
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

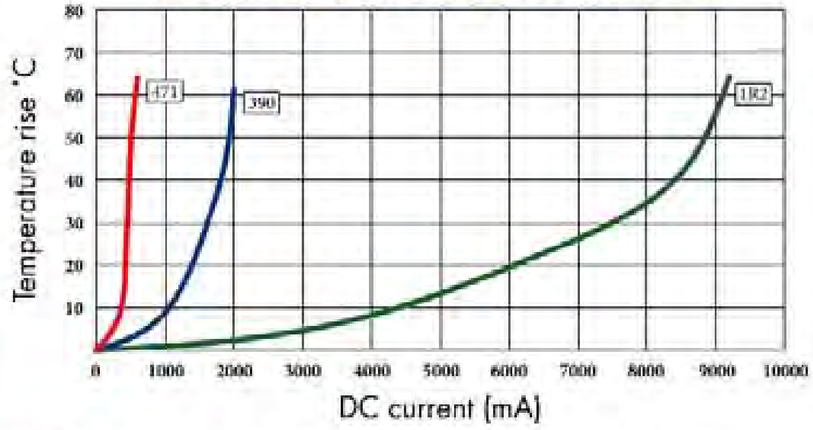
ELECTRICAL CHARACTERISTICS FOR OWIRH105 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH105-1R2	1.2	100KHZ	17m	9.0	7.00
OWIRH105-2R5	2.5	100KHZ	20m	7.5	5.90
OWIRH105-3R3	3.3	100KHZ	25m	7.2	4.70
OWIRH105-4R7	4.7	100KHZ	27m	7.0	4.21
OWIRH105-5R6	5.6	100KHZ	45m	6.5	3.59
OWIRH105-6R8	6.8	100KHZ	54m	6.0	3.23
OWIRH105-8R2	8.2	100KHZ	56m	5.4	2.90
OWIRH105-100	10	100KHZ	69m	4.8	2.75
OWIRH105-120	12	100KHZ	78m	4.2	2.61
OWIRH105-150	15	100KHZ	84m	3.7	2.32
OWIRH105-180	18	100KHZ	100m	3.4	2.22
OWIRH105-220	22	100KHZ	125m	2.8	2.10
OWIRH105-270	27	100KHZ	156m	2.6	1.90
OWIRH105-330	33	100KHZ	180m	2.4	1.80
OWIRH105-390	39	100KHZ	220m	2.3	1.53
OWIRH105-470	47	100KHZ	240m	2.1	1.37
OWIRH105-560	56	100KHZ	270m	1.82	1.23
OWIRH105-680	68	100KHZ	320m	1.65	1.16
OWIRH105-820	82	100KHZ	380m	1.50	1.10
OWIRH105-101	100	100KHZ	470m	1.40	1.04
OWIRH105-121	120	100KHZ	560m	1.23	0.98
OWIRH105-151	150	100KHZ	780m	1.15	0.88
OWIRH105-181	180	100KHZ	1.05	1.00	0.70
OWIRH105-221	220	100KHZ	1.32	0.80	0.63
OWIRH105-271	270	100KHZ	1.50	0.70	0.60
OWIRH105-331	330	100KHZ	1.92	0.62	0.57
OWIRH105-391	390	100KHZ	2.20	0.58	0.50
OWIRH105-471	470	100KHZ	2.60	0.55	0.45

OWIRH105 Inductance decrease by current



OWIRH105 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 1.2uH~8.2uH: ±30%(N) 10uH~470uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

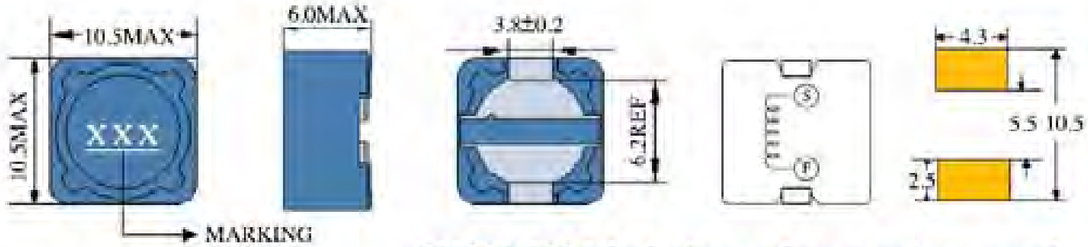
OWIRH105A TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

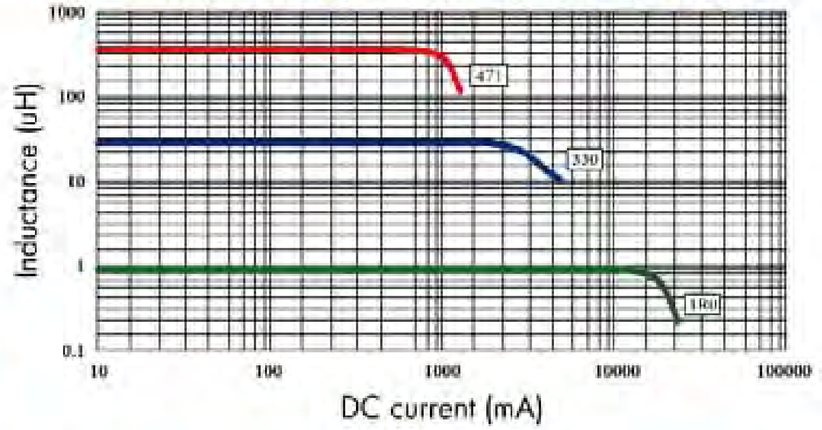
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



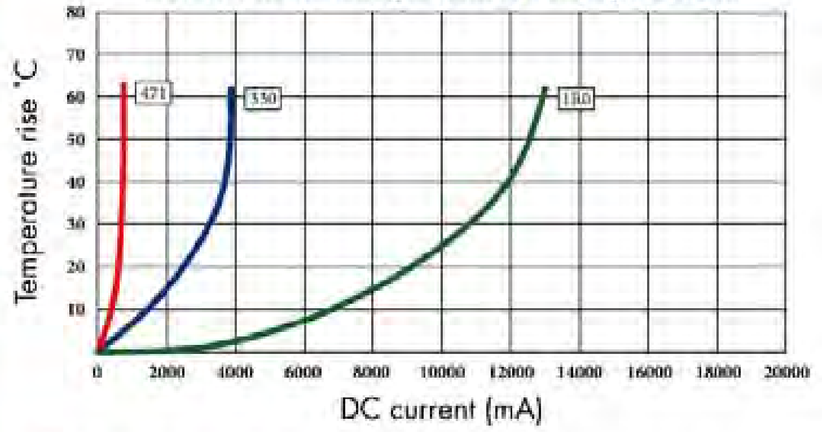
ELECTRICAL CHARACTERISTICS FOR OWIRH105A SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH105A-1R0	1.0	100KHZ	6m	15.0	10.0
OWIRH105A-2R5	2.5	100KHZ	11m	9.6	9.00
OWIRH105A-3R3	3.3	100KHZ	15m	8.1	8.00
OWIRH105A-4R7	4.7	100KHZ	17m	6.5	7.20
OWIRH105A-5R6	5.6	100KHZ	21m	6.2	6.00
OWIRH105A-6R8	6.8	100KHZ	26m	5.5	5.40
OWIRH105A-8R2	8.2	100KHZ	30m	5.0	4.86
OWIRH105A-100	10	100KHZ	38m	4.6	4.62
OWIRH105A-120	12	100KHZ	39m	4.2	4.38
OWIRH105A-150	15	100KHZ	52m	3.6	4.29
OWIRH105A-180	18	100KHZ	58m	3.4	4.16
OWIRH105A-220	22	100KHZ	70m	3.0	3.95
OWIRH105A-270	27	100KHZ	90m	2.8	3.20
OWIRH105A-330	33	100KHZ	110m	2.6	3.00
OWIRH105A-390	39	100KHZ	130m	2.3	2.60
OWIRH105A-470	47	100KHZ	147m	2.1	2.47
OWIRH105A-560	56	100KHZ	185m	2.0	2.22
OWIRH105A-680	68	100KHZ	225m	1.8	2.11
OWIRH105A-820	82	100KHZ	286m	1.6	1.90
OWIRH105A-101	100	100KHZ	322m	1.4	1.60
OWIRH105A-121	120	100KHZ	425m	1.3	1.30
OWIRH105A-151	150	100KHZ	510m	1.2	1.17
OWIRH105A-181	180	100KHZ	690m	1.1	1.05
OWIRH105A-221	220	100KHZ	735m	1.0	0.99
OWIRH105A-271	270	100KHZ	935m	0.86	0.94
OWIRH105A-331	330	100KHZ	1.06	0.75	0.85
OWIRH105A-391	390	100KHZ	1.36	0.70	0.77
OWIRH105A-471	470	100KHZ	1.46	0.60	0.69

OWIRH105A Inductance decrease by current



OWIRH105A Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 1.2uH~8.2uH: ±30%(N) 10uH~470uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

OWIRH123 TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

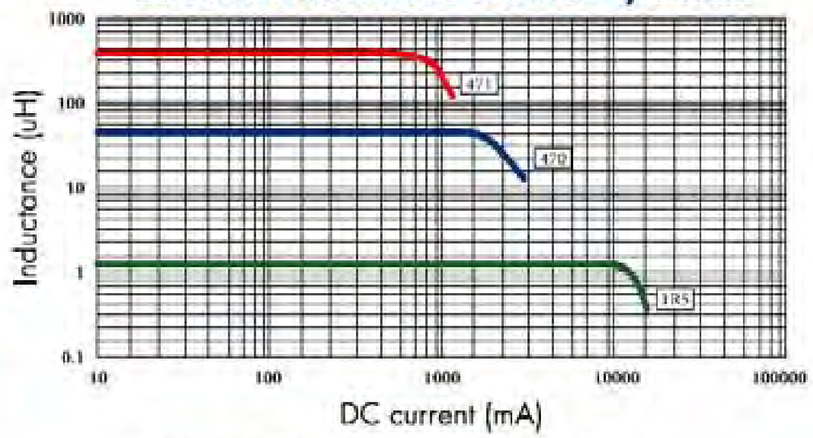
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

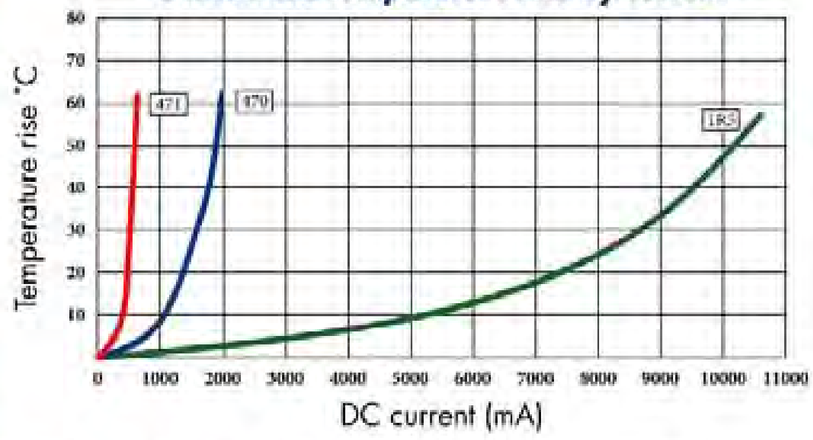
ELECTRICAL CHARACTERISTICS FOR OWIRH123 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH123-1R5	1.5	100KHZ	15m	12.0	8.00
OWIRH123-2R2	2.2	100KHZ	18m	10.0	7.20
OWIRH123-3R3	3.3	100KHZ	27m	9.30	6.00
OWIRH123-4R7	4.7	100KHZ	36m	7.30	5.10
OWIRH123-6R2	6.2	100KHZ	47m	6.70	4.59
OWIRH123-8R2	8.2	100KHZ	56m	5.80	4.13
OWIRH123-100	10	100KHZ	67m	5.00	3.50
OWIRH123-120	12	100KHZ	73m	4.90	2.97
OWIRH123-150	15	100KHZ	94m	4.20	2.67
OWIRH123-180	18	100KHZ	104m	3.80	2.40
OWIRH123-220	22	100KHZ	120m	3.50	2.16
OWIRH123-270	27	100KHZ	131m	3.20	2.00
OWIRH123-330	33	100KHZ	176m	3.00	1.80
OWIRH123-390	39	100KHZ	215m	2.60	1.62
OWIRH123-470	47	100KHZ	268m	2.30	1.50
OWIRH123-560	56	100KHZ	285m	2.20	1.35
OWIRH123-680	68	100KHZ	354m	1.90	1.28
OWIRH123-820	82	100KHZ	422m	1.80	1.22
OWIRH123-101	100	100KHZ	480m	1.60	1.10
OWIRH123-121	120	100KHZ	620m	1.40	0.99
OWIRH123-151	150	100KHZ	812m	1.30	0.85
OWIRH123-181	180	100KHZ	918m	1.20	0.76
OWIRH123-221	220	100KHZ	1.06	1.00	0.68
OWIRH123-271	270	100KHZ	1.30	0.90	0.62
OWIRH123-331	330	100KHZ	1.58	0.83	0.56
OWIRH123-391	390	100KHZ	1.95	0.80	0.50
OWIRH123-471	470	100KHZ	2.30	0.70	0.45

OWIRH123 Inductance decrease by current



OWIRH123 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 1.5uH~8.2uH: ±30%(N) 10uH~470uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

OWIRH124 TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

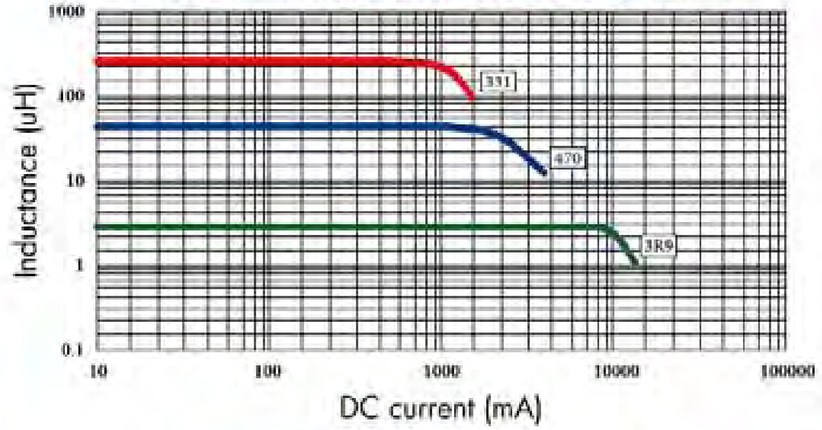
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

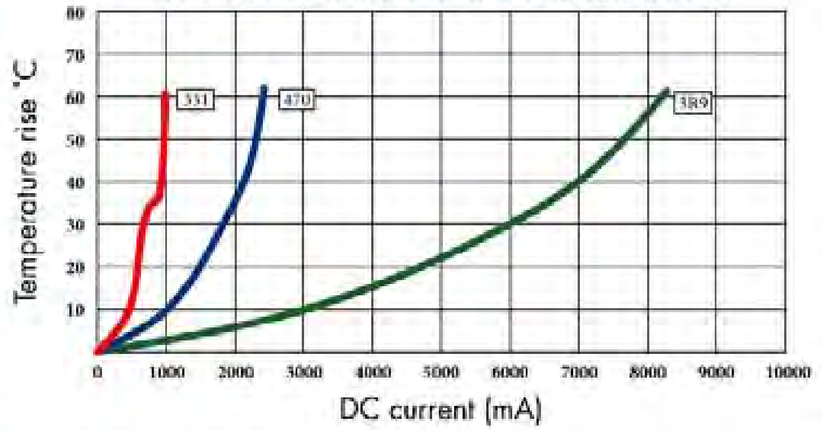
ELECTRICAL CHARACTERISTICS FOR OWIRH124 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH124-3R9	3.9	100KHZ	15m	6.5	6.0
OWIRH124-4R7	4.7	100KHZ	18m	5.7	5.4
OWIRH124-6R8	6.8	100KHZ	23m	4.9	4.8
OWIRH124-8R2	8.2	100KHZ	26m	4.6	4.4
OWIRH124-100	10	100KHZ	28m	4.5	4.1
OWIRH124-120	12	100KHZ	38m	4.0	3.9
OWIRH124-150	15	100KHZ	50m	3.2	3.5
OWIRH124-180	18	100KHZ	57m	3.1	3.1
OWIRH124-220	22	100KHZ	66m	2.9	3.0
OWIRH124-270	27	100KHZ	80m	2.8	2.7
OWIRH124-330	33	100KHZ	97m	2.7	2.43
OWIRH124-390	39	100KHZ	132m	2.1	2.07
OWIRH124-470	47	100KHZ	160m	1.9	1.87
OWIRH124-560	56	100KHZ	190m	1.8	1.77
OWIRH124-680	68	100KHZ	220m	1.5	1.60
OWIRH124-820	82	100KHZ	260m	1.3	1.44
OWIRH124-101	100	100KHZ	308m	1.2	1.36
OWIRH124-121	120	100KHZ	380m	1.1	1.23
OWIRH124-151	150	100KHZ	530m	0.95	1.16
OWIRH124-181	180	100KHZ	620m	0.85	1.05
OWIRH124-221	220	100KHZ	700m	0.80	0.95
OWIRH124-271	270	100KHZ	870m	0.60	0.86
OWIRH124-331	330	100KHZ	990m	0.50	0.78

OWIRH124 Inductance decrease by current



OWIRH124 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 3.9uH~8.2uH: ±30%(N) 10uH~330uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

OWIRH125 TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

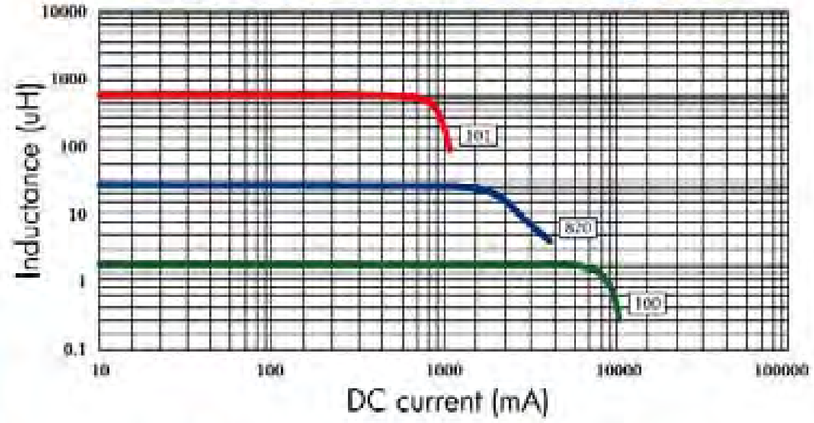
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

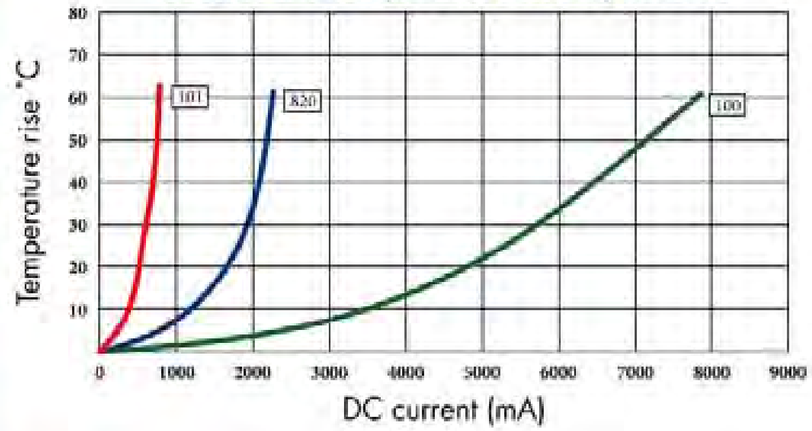
ELECTRICAL CHARACTERISTICS FOR OWIRH125 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH125-100	10	1KHZ	25m	4.00	5.50
OWIRH125-120	12	1KHZ	27m	3.50	5.22
OWIRH125-150	15	1KHZ	30m	3.30	4.69
OWIRH125-180	18	1KHZ	34m	3.00	4.22
OWIRH125-220	22	1KHZ	36m	2.80	4.00
OWIRH125-270	27	1KHZ	51m	2.30	3.24
OWIRH125-330	33	1KHZ	57m	2.10	3.07
OWIRH125-390	39	1KHZ	68m	2.00	2.76
OWIRH125-470	47	1KHZ	75m	1.80	2.48
OWIRH125-560	56	1KHZ	0.11	1.70	2.23
OWIRH125-680	68	1KHZ	0.12	1.50	2.00
OWIRH125-820	82	1KHZ	0.14	1.40	1.80
OWIRH125-101	100	1KHZ	0.16	1.30	1.70
OWIRH125-121	120	1KHZ	0.22	1.10	1.60
OWIRH125-151	150	1KHZ	0.25	1.00	1.52
OWIRH125-181	180	1KHZ	0.32	0.90	1.44
OWIRH125-221	220	1KHZ	0.40	0.80	1.29
OWIRH125-271	270	1KHZ	0.46	0.75	1.16
OWIRH125-331	330	1KHZ	0.51	0.68	1.04
OWIRH125-391	390	1KHZ	0.69	0.65	0.93
OWIRH125-471	470	1KHZ	0.77	0.58	0.83
OWIRH125-561	560	1KHZ	0.93	0.54	0.74
OWIRH125-681	680	1KHZ	1.20	0.48	0.66
OWIRH125-821	820	1KHZ	1.45	0.43	0.59
OWIRH125-102	1000	1KHZ	1.53	0.40	0.53

OWIRH125 Inductance decrease by current



OWIRH125 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

OWIRH127 TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

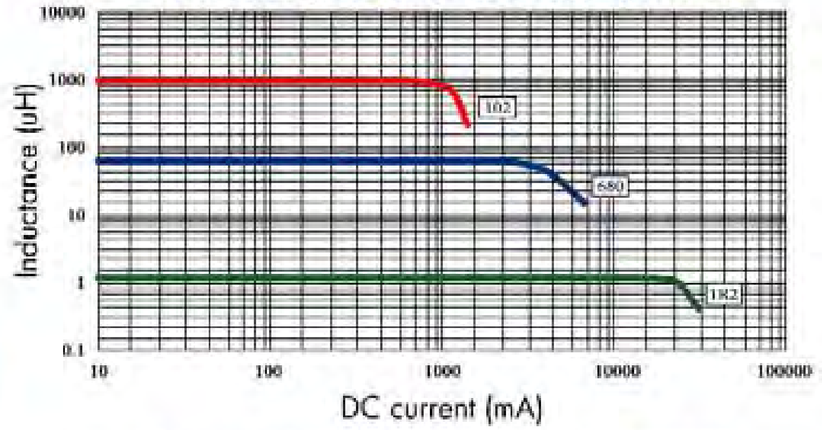
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

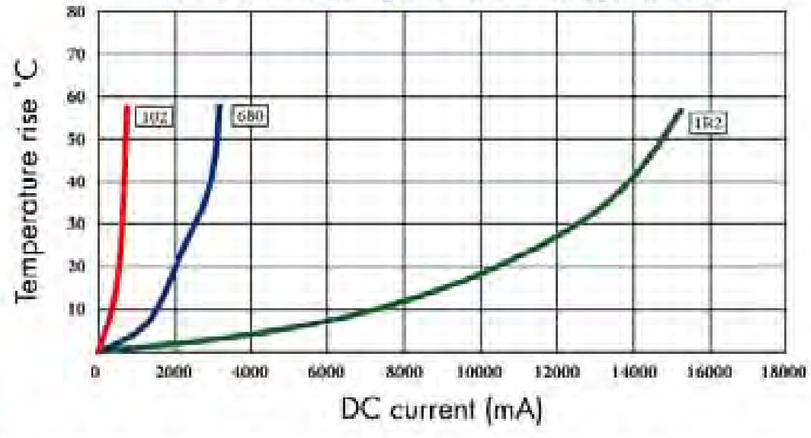
ELECTRICAL CHARACTERISTICS FOR OWIRH127 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH127-1R2	1.2	100KHZ	7.0m	9.80	12.0
OWIRH127-2R4	2.4	100KHZ	11.5m	8.00	10.8
OWIRH127-3R5	3.5	100KHZ	13.5m	7.50	9.20
OWIRH127-4R7	4.7	100KHZ	15.8m	6.80	7.80
OWIRH127-6R1	6.1	100KHZ	17.6m	6.60	5.80
OWIRH127-7R6	7.6	100KHZ	20.0m	5.90	6.30
OWIRH127-100	10	1KHZ	21.6m	5.40	5.67
OWIRH127-120	12	1KHZ	24.3m	4.90	5.10
OWIRH127-150	15	1KHZ	27.0m	4.50	4.85
OWIRH127-180	18	1KHZ	39.2m	3.90	4.36
OWIRH127-220	22	1KHZ	43.2m	3.60	4.00
OWIRH127-270	27	1KHZ	45.9m	3.40	3.60
OWIRH127-330	33	1KHZ	64.8m	3.00	3.24
OWIRH127-390	39	1KHZ	72.9m	2.75	2.91
OWIRH127-470	47	1KHZ	0.10	2.50	2.62
OWIRH127-560	56	1KHZ	0.11	2.35	2.35
OWIRH127-680	68	1KHZ	0.14	2.10	2.23
OWIRH127-820	82	1KHZ	0.16	1.95	2.00
OWIRH127-101	100	1KHZ	0.22	1.70	1.80
OWIRH127-121	120	1KHZ	0.25	1.60	1.70
OWIRH127-151	150	1KHZ	0.28	1.42	1.60
OWIRH127-181	180	1KHZ	0.35	1.30	1.52
OWIRH127-221	220	1KHZ	0.39	1.16	1.44
OWIRH127-271	270	1KHZ	0.56	1.06	1.36
OWIRH127-331	330	1KHZ	0.64	0.95	1.22
OWIRH127-391	390	1KHZ	0.70	0.88	1.03
OWIRH127-471	470	1KHZ	0.98	0.79	0.92
OWIRH127-561	560	1KHZ	1.07	0.73	0.83
OWIRH127-681	680	1KHZ	1.46	0.67	0.75
OWIRH127-821	820	1KHZ	1.64	0.60	0.68
OWIRH127-102	1000	1KHZ	1.82	0.55	0.61

OWIRH127 Inductance decrease by current



OWIRH127 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 1.2uH~7.6uH: +40%, -20%(N) 10uH~1000uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

OWIRH129 TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

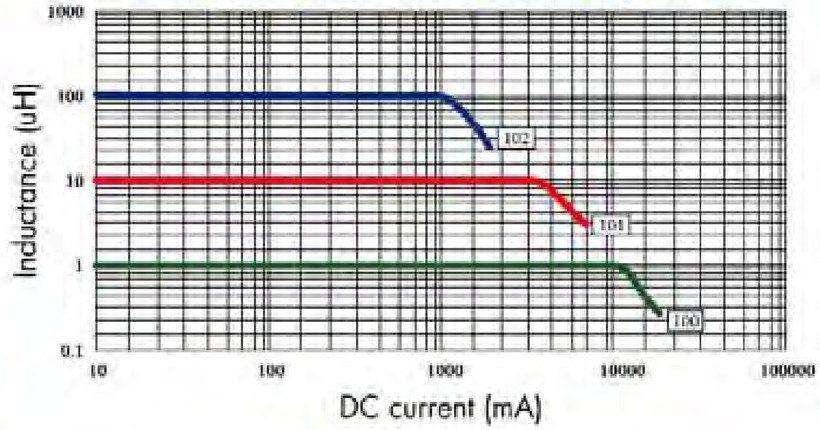
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

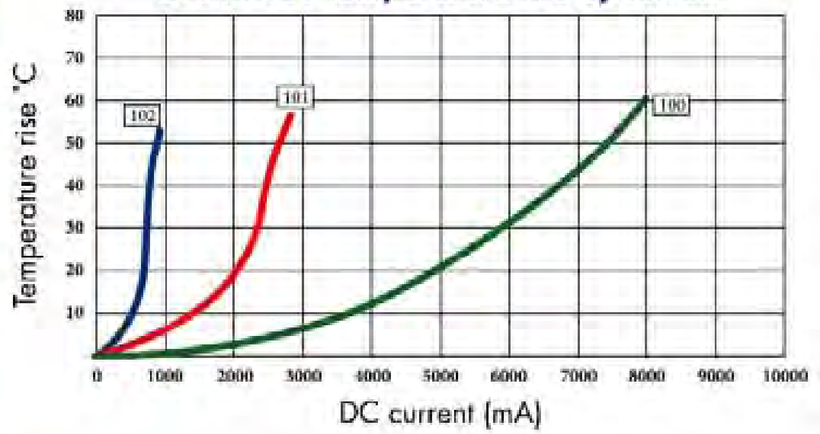
ELECTRICAL CHARACTERISTICS FOR OWIRH129 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH129-100	10	1KHZ	21m	8.5	6.00
OWIRH129-120	12	1KHZ	22m	8.0	5.40
OWIRH129-150	15	1KHZ	27m	7.5	5.00
OWIRH129-180	18	1KHZ	31.5m	6.8	4.61
OWIRH129-220	22	1KHZ	39m	6.5	4.38
OWIRH129-270	27	1KHZ	49.5m	5.0	4.16
OWIRH129-330	33	1KHZ	63m	4.8	3.80
OWIRH129-390	39	1KHZ	70m	4.5	3.61
OWIRH129-470	47	1KHZ	80m	4.0	3.42
OWIRH129-560	56	1KHZ	90m	3.8	3.00
OWIRH129-680	68	1KHZ	100m	3.2	2.70
OWIRH129-820	82	1KHZ	127m	3.0	2.43
OWIRH129-101	100	1KHZ	156m	2.5	2.30
OWIRH129-121	120	1KHZ	183m	2.2	2.20
OWIRH129-151	150	1KHZ	223m	2.0	2.10
OWIRH129-181	180	1KHZ	274m	1.9	1.80
OWIRH129-221	220	1KHZ	361m	1.8	1.53
OWIRH129-271	270	1KHZ	418m	1.5	1.40
OWIRH129-331	330	1KHZ	495m	1.3	1.30
OWIRH129-391	390	1KHZ	556m	1.2	1.23
OWIRH129-471	470	1KHZ	742m	1.1	1.10
OWIRH129-561	560	1KHZ	872m	1.0	1.00
OWIRH129-681	680	1KHZ	1.11	0.9	0.85
OWIRH129-821	820	1KHZ	1.22	0.8	0.76
OWIRH129-102	1000	1KHZ	1.34	0.7	0.72

OWIRH129 Inductance decrease by current



OWIRH129 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

OWIRH127/LD TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

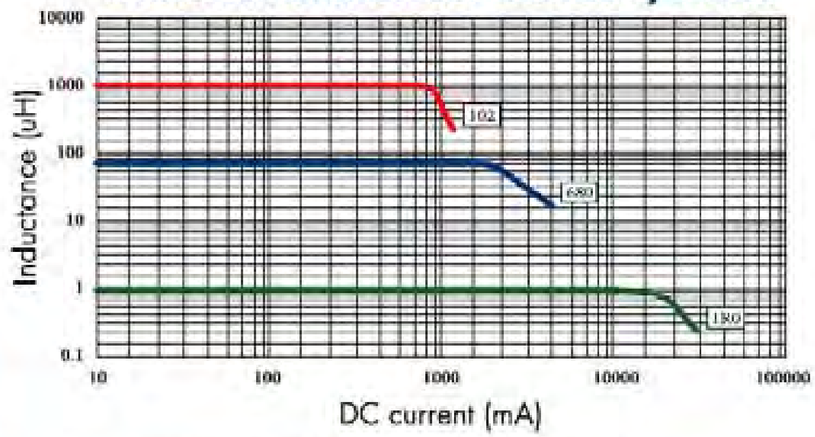
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

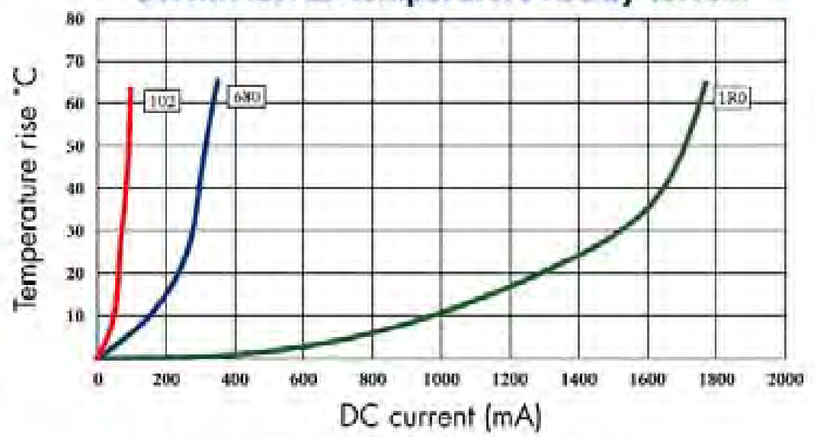
ELECTRICAL CHARACTERISTICS FOR OWIRH127/LD SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH127/LD-1R0	1.0	100KHZ	6.5m	14.0	14.0
OWIRH127/LD-2R4	2.4	100KHZ	10.5m	10.3	11.3
OWIRH127/LD-3R5	3.5	100KHZ	12.4m	9.30	9.60
OWIRH127/LD-4R6	4.6	100KHZ	13.8m	9.10	8.16
OWIRH127/LD-5R8	5.8	100KHZ	16.2m	8.60	7.70
OWIRH127/LD-7R4	7.4	100KHZ	17.7m	7.40	6.90
OWIRH127/LD-100	10	1KHZ	19.5m	6.70	6.21
OWIRH127/LD-120	12	1KHZ	21.3m	6.45	5.59
OWIRH127/LD-150	15	1KHZ	26.4m	5.65	5.31
OWIRH127/LD-180	18	1KHZ	28.0m	5.10	5.04
OWIRH127/LD-220	22	1KHZ	36.4m	4.70	4.78
OWIRH127/LD-270	27	1KHZ	41.6m	4.20	4.08
OWIRH127/LD-330	33	1KHZ	53.3m	3.90	3.67
OWIRH127/LD-390	39	1KHZ	60.5m	3.50	3.48
OWIRH127/LD-470	47	1KHZ	78.0m	3.25	3.13
OWIRH127/LD-560	56	1KHZ	90.0m	2.90	2.97
OWIRH127/LD-680	68	1KHZ	120m	2.60	2.67
OWIRH127/LD-820	82	1KHZ	130m	2.40	2.40
OWIRH127/LD-101	100	1KHZ	151m	2.10	2.16
OWIRH127/LD-121	120	1KHZ	169m	1.90	1.95
OWIRH127/LD-151	150	1KHZ	227m	1.80	1.76
OWIRH127/LD-181	180	1KHZ	299m	1.55	1.58
OWIRH127/LD-221	220	1KHZ	338m	1.45	1.42
OWIRH127/LD-271	270	1KHZ	419m	1.30	1.28
OWIRH127/LD-331	330	1KHZ	471m	1.20	1.16
OWIRH127/LD-391	390	1KHZ	572m	1.10	1.04
OWIRH127/LD-471	470	1KHZ	741m	1.00	0.93
OWIRH127/LD-561	560	1KHZ	852m	0.95	0.84
OWIRH127/LD-681	680	1KHZ	1.13	0.85	0.76
OWIRH127/LD-821	820	1KHZ	1.24	0.75	0.69
OWIRH127/LD-102	1000	1KHZ	1.50	0.70	0.66

OWIRH127/LD Inductance decrease by current



OWIRH127/LD Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:
   1.0uH~4.7uH: ±30%(N) 10uH~1000uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

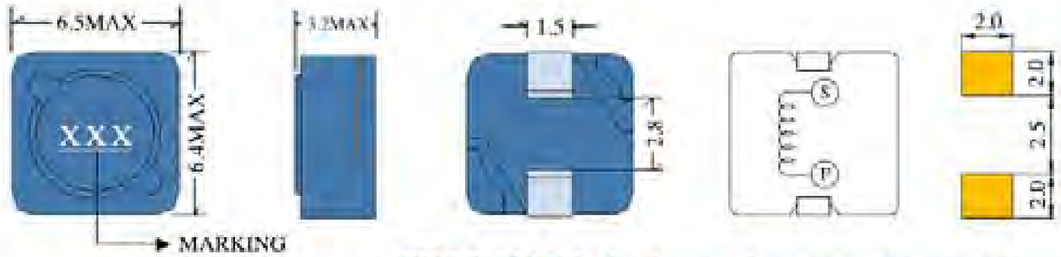
OWIRH62B TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

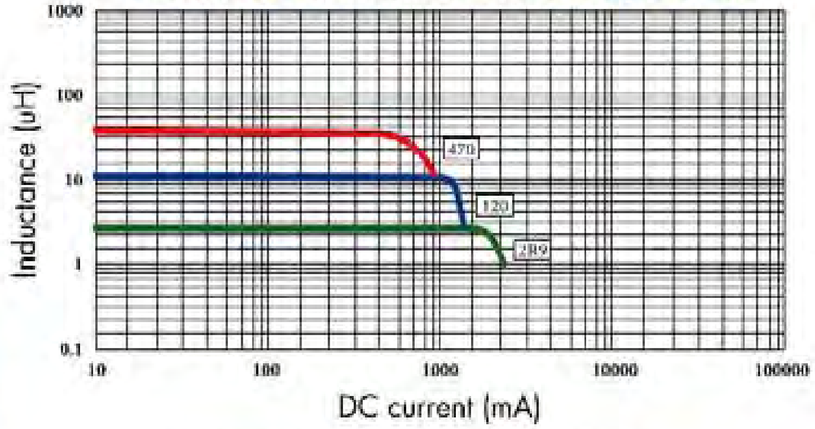
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



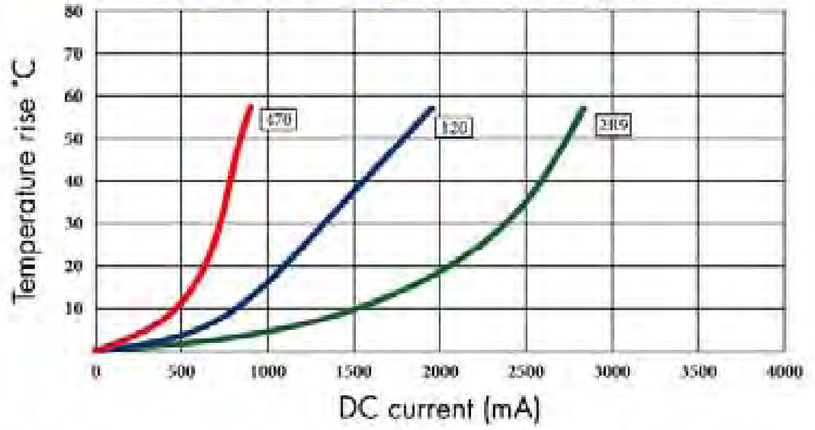
ELECTRICAL CHARACTERISTICS FOR OWIRH62B SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH62B-2R9	2.9	100KHZ	68m	1.94	2.50
OWIRH62B-4R0	4.0	100KHZ	80m	1.63	2.00
OWIRH62B-5R5	5.5	100KHZ	96m	1.40	1.80
OWIRH62B-6R3	6.3	100KHZ	0.10	1.30	1.62
OWIRH62B-7R1	7.1	100KHZ	0.11	1.22	1.53
OWIRH62B-8R0	8.0	100KHZ	0.12	1.15	1.46
OWIRH62B-100	10	100KHZ	0.15	1.10	1.38
OWIRH62B-120	12	100KHZ	0.20	1.00	1.24
OWIRH62B-150	15	100KHZ	0.23	0.90	1.17
OWIRH62B-180	18	100KHZ	0.27	0.80	1.05
OWIRH62B-220	22	100KHZ	0.34	0.74	0.99
OWIRH62B-270	27	100KHZ	0.38	0.66	0.89
OWIRH62B-330	33	100KHZ	0.45	0.59	0.84
OWIRH62B-390	39	100KHZ	0.49	0.54	0.79
OWIRH62B-470	47	100KHZ	0.69	0.50	0.75

OWIRH62B Inductance decrease by current



OWIRH62B Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 2.9uH~8.0uH: +40%, -20%(N) 10uH~47uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

OWIRH64B TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

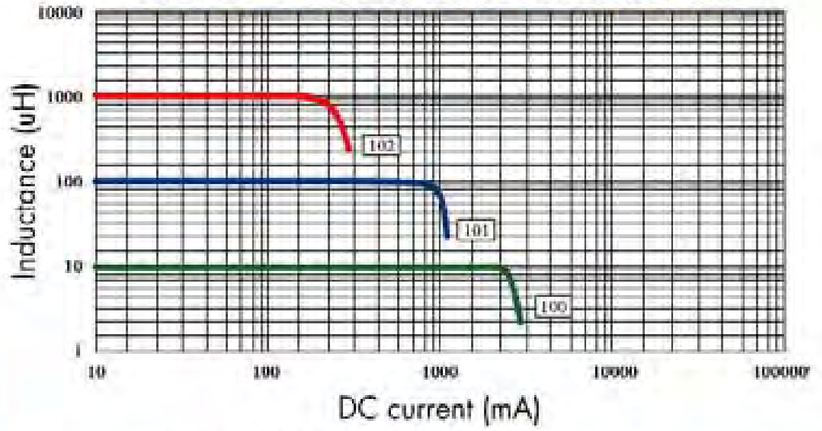
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

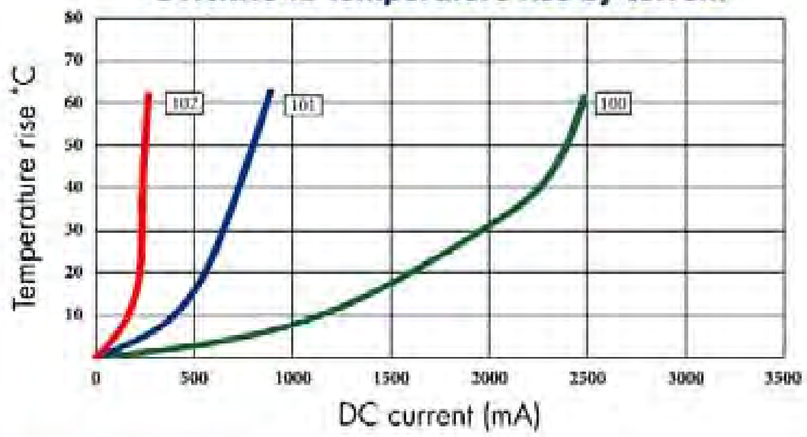
ELECTRICAL CHARACTERISTICS FOR OWIRH64B SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH64B-100	10	1KHZ	0.12	1.35	2.00
OWIRH64B-120	12	1KHZ	0.13	1.22	1.80
OWIRH64B-150	15	1KHZ	0.18	1.11	1.62
OWIRH64B-180	18	1KHZ	0.24	1.02	1.45
OWIRH64B-220	22	1KHZ	0.27	0.91	1.30
OWIRH64B-270	27	1KHZ	0.30	0.82	1.17
OWIRH64B-330	33	1KHZ	0.33	0.74	1.05
OWIRH64B-390	39	1KHZ	0.37	0.69	0.95
OWIRH64B-470	47	1KHZ	0.52	0.62	0.90
OWIRH64B-560	56	1KHZ	0.56	0.58	0.85
OWIRH64B-680	68	1KHZ	0.63	0.51	0.80
OWIRH64B-820	82	1KHZ	0.71	0.46	0.72
OWIRH64B-101	100	1KHZ	1.03	0.42	0.64
OWIRH64B-121	120	1KHZ	1.15	0.38	0.57
OWIRH64B-151	150	1KHZ	1.68	0.35	0.51
OWIRH64B-181	180	1KHZ	1.87	0.32	0.48
OWIRH64B-221	220	1KHZ	2.08	0.29	0.46
OWIRH64B-271	270	1KHZ	2.37	0.26	0.45
OWIRH64B-331	330	1KHZ	2.67	0.23	0.42
OWIRH64B-391	390	1KHZ	2.94	0.22	0.40
OWIRH64B-471	470	1KHZ	3.93	0.20	0.38
OWIRH64B-561	560	1KHZ	5.43	0.18	0.36
OWIRH64B-681	680	1KHZ	7.32	0.17	0.30
OWIRH64B-821	820	1KHZ	8.24	0.15	0.24
OWIRH64B-102	1000	1KHZ	9.26	0.14	0.21

OWIRH64B Inductance decrease by current



OWIRH64B Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

OWIRH73B TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

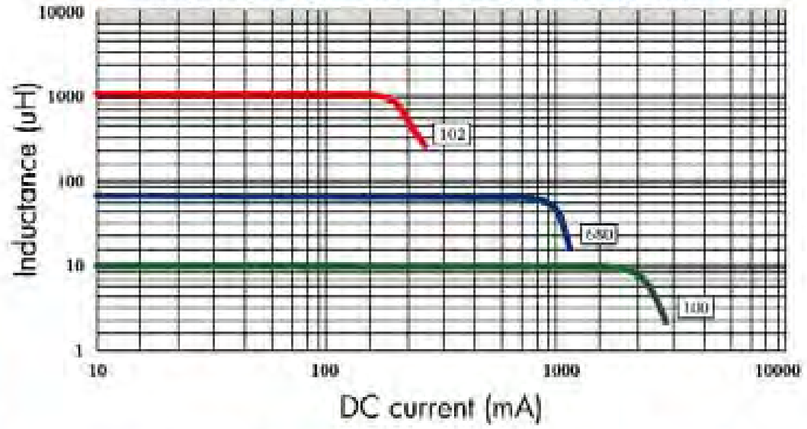
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

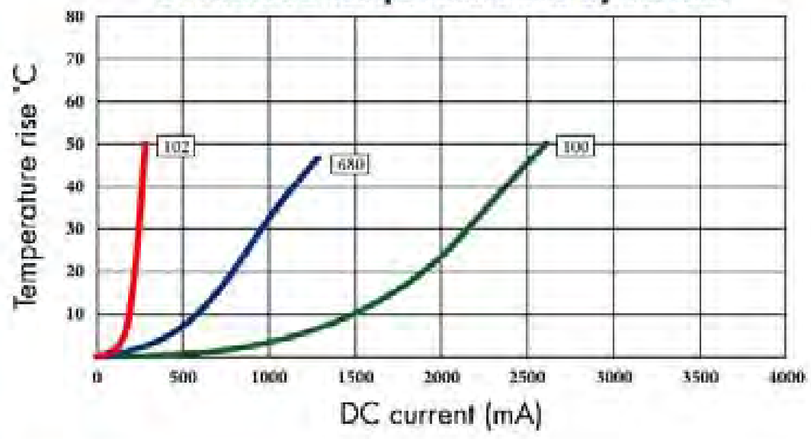
ELECTRICAL CHARACTERISTICS FOR OWIRH73B SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH73B-100	10	1KHZ	72m	1.68	1.68
OWIRH73B-120	12	1KHZ	98m	1.52	1.52
OWIRH73B-150	15	1KHZ	0.13	1.33	1.46
OWIRH73B-180	18	1KHZ	0.14	1.20	1.44
OWIRH73B-220	22	1KHZ	0.19	1.07	1.28
OWIRH73B-270	27	1KHZ	0.21	0.96	1.26
OWIRH73B-330	33	1KHZ	0.24	0.91	1.18
OWIRH73B-390	39	1KHZ	0.32	0.77	1.00
OWIRH73B-470	47	1KHZ	0.36	0.76	0.91
OWIRH73B-560	56	1KHZ	0.47	0.68	0.81
OWIRH73B-680	68	1KHZ	0.52	0.61	0.79
OWIRH73B-820	82	1KHZ	0.69	0.57	0.74
OWIRH73B-101	100	1KHZ	0.79	0.50	0.65
OWIRH73B-121	120	1KHZ	0.89	0.49	0.63
OWIRH73B-151	150	1KHZ	1.29	0.43	0.55
OWIRH73B-181	180	1KHZ	1.45	0.39	0.51
OWIRH73B-221	220	1KHZ	1.65	0.35	0.46
OWIRH73B-271	270	1KHZ	2.31	0.32	0.45
OWIRH73B-331	330	1KHZ	2.62	0.28	0.40
OWIRH73B-391	390	1KHZ	2.94	0.26	0.37
OWIRH73B-471	470	1KHZ	4.18	0.24	0.34
OWIRH73B-561	560	1KHZ	4.67	0.22	0.31
OWIRH73B-681	680	1KHZ	5.73	0.19	0.27
OWIRH73B-821	820	1KHZ	6.54	0.18	0.27
OWIRH73B-102	1000	1KHZ	9.44	0.16	0.23

OWIRH73B Inductance decrease by current



OWIRH73B Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

OWIRH74B TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

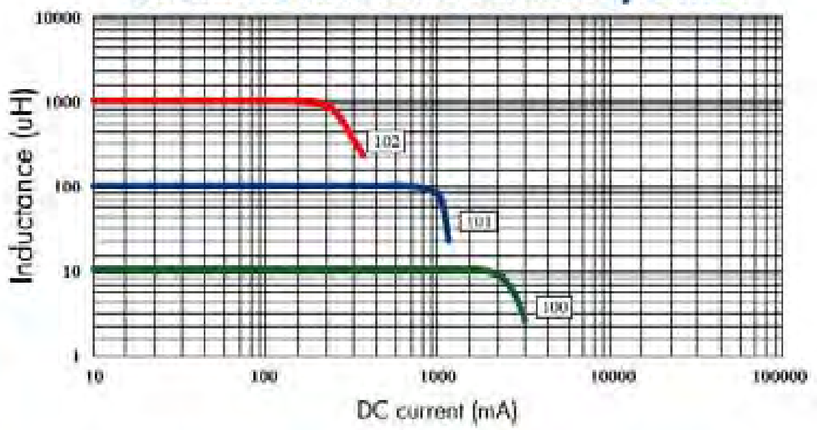
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

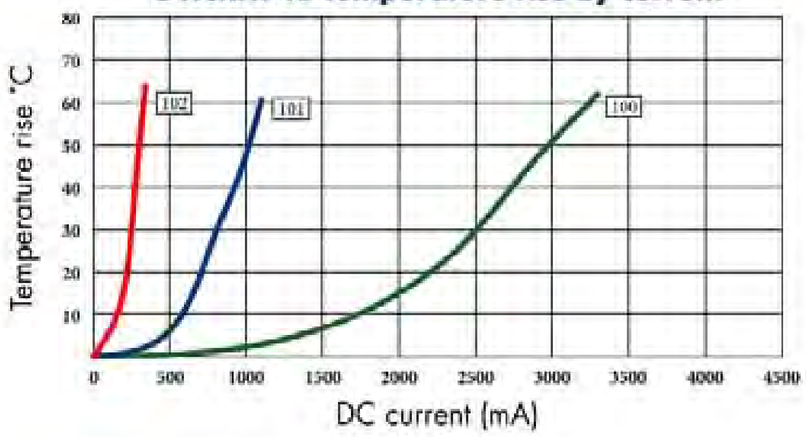
ELECTRICAL CHARACTERISTICS FOR OWIRH74B SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH74B-100	10	1KHZ	65m	1.84	2.40
OWIRH74B-120	12	1KHZ	67m	1.71	2.21
OWIRH74B-150	15	1KHZ	81m	1.47	2.09
OWIRH74B-180	18	1KHZ	0.11	1.31	1.81
OWIRH74B-220	22	1KHZ	0.13	1.23	1.73
OWIRH74B-270	27	1KHZ	0.15	1.12	1.60
OWIRH74B-330	33	1KHZ	0.17	0.96	1.36
OWIRH74B-390	39	1KHZ	0.23	0.91	1.26
OWIRH74B-470	47	1KHZ	0.26	0.88	1.18
OWIRH74B-560	56	1KHZ	0.35	0.75	1.05
OWIRH74B-680	68	1KHZ	0.38	0.69	1.04
OWIRH74B-820	82	1KHZ	0.43	0.61	0.91
OWIRH74B-101	100	1KHZ	0.61	0.60	0.75
OWIRH74B-121	120	1KHZ	0.66	0.52	0.70
OWIRH74B-151	150	1KHZ	0.88	0.46	0.65
OWIRH74B-181	180	1KHZ	0.98	0.42	0.60
OWIRH74B-221	220	1KHZ	1.17	0.36	0.55
OWIRH74B-271	270	1KHZ	1.64	0.34	0.55
OWIRH74B-331	330	1KHZ	1.86	0.32	0.47
OWIRH74B-391	390	1KHZ	2.85	0.29	0.42
OWIRH74B-471	470	1KHZ	3.01	0.26	0.38
OWIRH74B-561	560	1KHZ	3.62	0.23	0.32
OWIRH74B-681	680	1KHZ	4.63	0.22	0.30
OWIRH74B-821	820	1KHZ	5.20	0.20	0.25
OWIRH74B-102	1000	1KHZ	6.00	0.18	0.25

OWIRH74B Inductance decrease by current



OWIRH74B Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

OWIRH124B TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

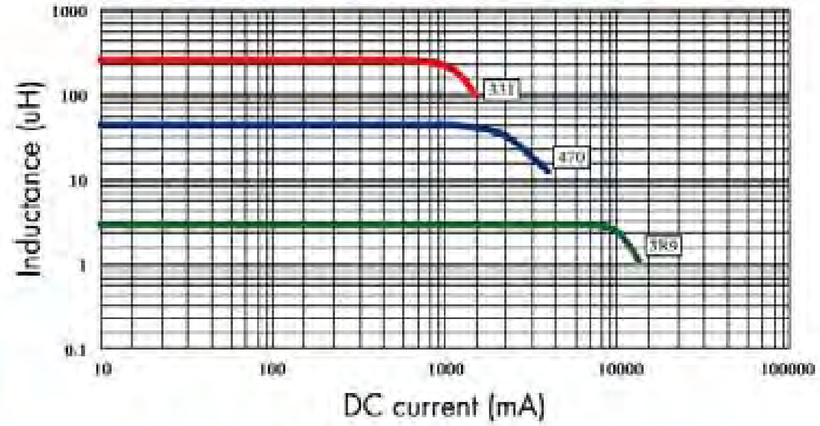
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

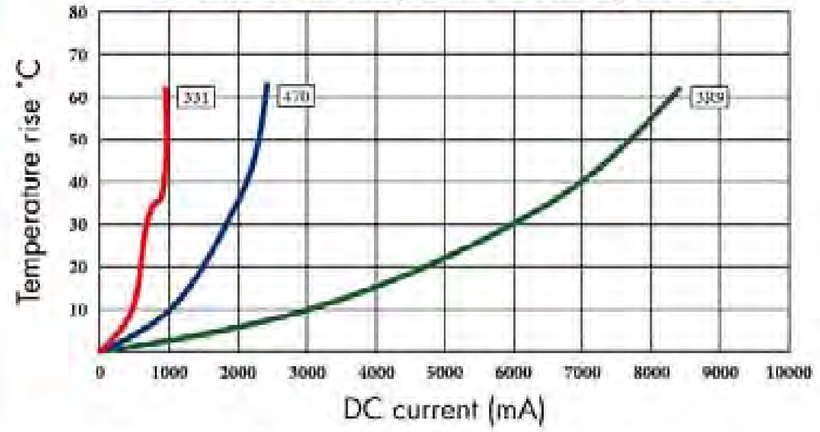
ELECTRICAL CHARACTERISTICS FOR OWIRH124B SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH124B-3R9	3.9	100KHZ	20m	6.5	6.00
OWIRH124B-4R7	4.7	100KHZ	24m	5.7	5.40
OWIRH124B-6R8	6.8	100KHZ	30m	4.9	4.80
OWIRH124B-8R2	8.2	100KHZ	34m	4.6	4.40
OWIRH124B-100	10	100KHZ	38m	4.5	4.10
OWIRH124B-120	12	100KHZ	49m	4.0	3.90
OWIRH124B-150	15	100KHZ	53m	3.2	3.50
OWIRH124B-180	18	100KHZ	62m	3.1	3.10
OWIRH124B-220	22	100KHZ	66m	2.9	3.00
OWIRH124B-270	27	100KHZ	92m	2.8	2.70
OWIRH124B-330	33	100KHZ	111m	2.7	2.43
OWIRH124B-390	39	100KHZ	132m	2.1	2.07
OWIRH124B-470	47	100KHZ	170m	1.9	1.87
OWIRH124B-560	56	100KHZ	190m	1.8	1.77
OWIRH124B-680	68	100KHZ	220m	1.5	1.60
OWIRH124B-820	82	100KHZ	275m	1.3	1.44
OWIRH124B-101	100	100KHZ	330m	1.2	1.36
OWIRH124B-121	120	100KHZ	400m	1.1	1.23
OWIRH124B-151	150	100KHZ	530m	0.95	1.16
OWIRH124B-181	180	100KHZ	620m	0.85	1.05
OWIRH124B-221	220	100KHZ	700m	0.80	0.95
OWIRH124B-271	270	100KHZ	870m	0.60	0.86
OWIRH124B-331	330	100KHZ	990m	0.50	0.78

OWIRH124B Inductance decrease by current



OWIRH124B Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 3.9uH~8.2uH: ±30%(N) 10uH~330uH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

OWIRH125B TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

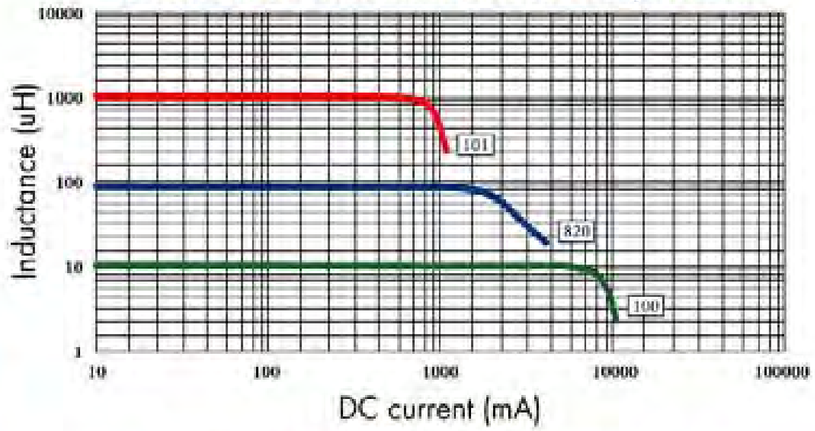
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

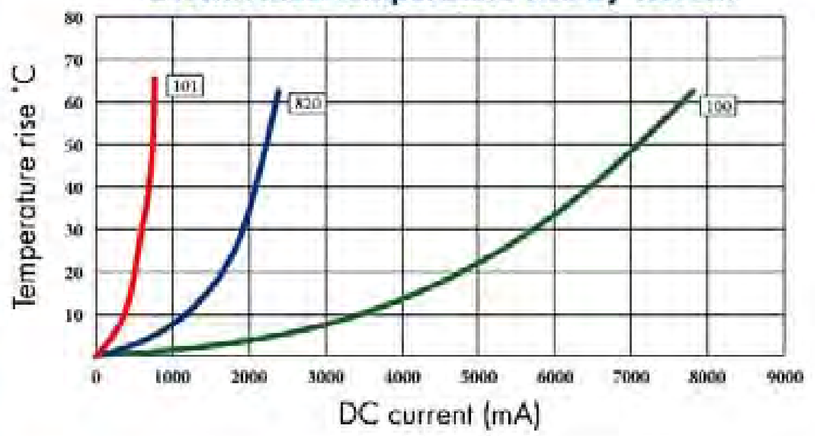
ELECTRICAL CHARACTERISTICS FOR OWIRH125B SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH125B-100	10	1KHZ	25m	4.0	5.50
OWIRH125B-120	12	1KHZ	27m	3.5	5.22
OWIRH125B-150	15	1KHZ	33m	3.3	4.69
OWIRH125B-180	18	1KHZ	38m	3.0	4.22
OWIRH125B-220	22	1KHZ	44m	2.8	4.00
OWIRH125B-270	27	1KHZ	56m	2.3	3.24
OWIRH125B-330	33	1KHZ	57m	2.1	3.07
OWIRH125B-390	39	1KHZ	80m	2.0	2.76
OWIRH125B-470	47	1KHZ	84m	1.8	2.48
OWIRH125B-560	56	1KHZ	0.11	1.7	2.23
OWIRH125B-680	68	1KHZ	0.13	1.5	2.00
OWIRH125B-820	82	1KHZ	0.14	1.4	1.80
OWIRH125B-101	100	1KHZ	0.16	1.3	1.70
OWIRH125B-121	120	1KHZ	0.24	1.1	1.60
OWIRH125B-151	150	1KHZ	0.27	1.0	1.52
OWIRH125B-181	180	1KHZ	0.34	0.90	1.44
OWIRH125B-221	220	1KHZ	0.40	0.80	1.29
OWIRH125B-271	270	1KHZ	0.46	0.75	1.16
OWIRH125B-331	330	1KHZ	0.58	0.68	1.04
OWIRH125B-391	390	1KHZ	0.69	0.65	0.93
OWIRH125B-471	470	1KHZ	0.77	0.58	0.83
OWIRH125B-561	560	1KHZ	1.00	0.54	0.74
OWIRH125B-681	680	1KHZ	1.20	0.48	0.66
OWIRH125B-821	820	1KHZ	1.55	0.43	0.59
OWIRH125B-102	1000	1KHZ	1.80	0.40	0.53

OWIRH125B Inductance decrease by current



OWIRH125B Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

OWIRH127B TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

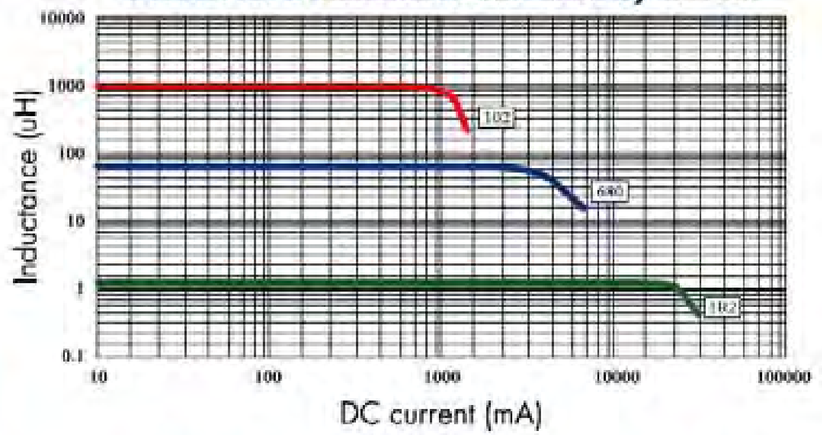
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

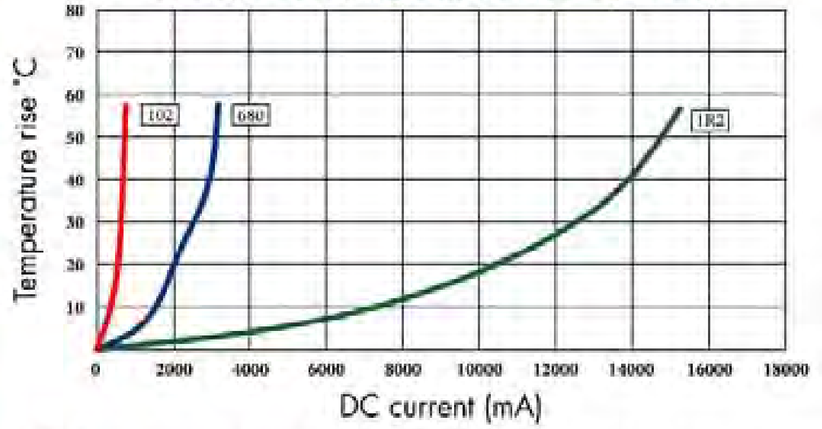
ELECTRICAL CHARACTERISTICS FOR OWIRH127B SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH127B-1R2	1.2	100KHZ	7.0m	9.80	12.0
OWIRH127B-2R4	2.4	100KHZ	11.5m	8.00	10.8
OWIRH127B-3R5	3.5	100KHZ	13.5m	7.50	9.20
OWIRH127B-4R7	4.7	100KHZ	15.8m	6.80	7.80
OWIRH127B-6R1	6.1	100KHZ	17.6m	6.60	5.80
OWIRH127B-7R6	7.6	100KHZ	20.0m	5.90	6.30
OWIRH127B-100	10	100KHZ	21.6m	5.40	5.67
OWIRH127B-120	12	100KHZ	24.3m	4.90	5.10
OWIRH127B-150	15	100KHZ	27.0m	4.50	4.85
OWIRH127B-180	18	100KHZ	39.2m	3.90	4.36
OWIRH127B-220	22	100KHZ	43.2m	3.60	4.00
OWIRH127B-270	27	100KHZ	45.9m	3.40	3.60
OWIRH127B-330	33	100KHZ	64.8m	3.00	3.24
OWIRH127B-390	39	100KHZ	72.9m	2.75	2.91
OWIRH127B-470	47	100KHZ	0.10	2.50	2.62
OWIRH127B-560	56	100KHZ	0.11	2.35	2.35
OWIRH127B-680	68	100KHZ	0.14	2.10	2.23
OWIRH127B-820	82	100KHZ	0.16	1.95	2.00
OWIRH127B-101	100	100KHZ	0.22	1.70	1.80
OWIRH127B-121	120	100KHZ	0.25	1.60	1.70
OWIRH127B-151	150	100KHZ	0.28	1.42	1.60
OWIRH127B-181	180	100KHZ	0.35	1.30	1.52
OWIRH127B-221	220	100KHZ	0.39	1.16	1.44
OWIRH127B-271	270	100KHZ	0.56	1.06	1.36
OWIRH127B-331	330	100KHZ	0.64	0.95	1.22
OWIRH127B-391	390	100KHZ	0.70	0.88	1.03
OWIRH127B-471	470	100KHZ	0.98	0.79	0.92
OWIRH127B-561	560	100KHZ	1.07	0.73	0.83
OWIRH127B-681	680	100KHZ	1.46	0.67	0.75
OWIRH127B-821	820	100KHZ	1.64	0.60	0.68
OWIRH127B-102	1000	100KHZ	1.82	0.55	0.61

OWIRH127B Inductance decrease by current



OWIRH127B Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 1.2uH~7.6uH: ±30%(N) 10uH~1mH: ±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

OWIRHB124 TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

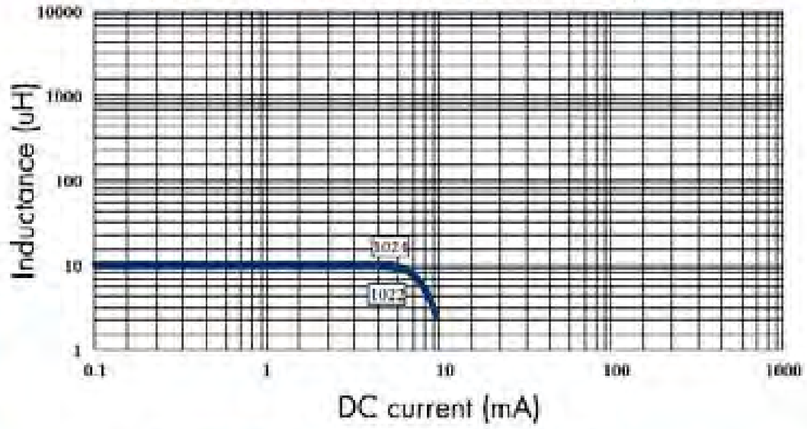
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

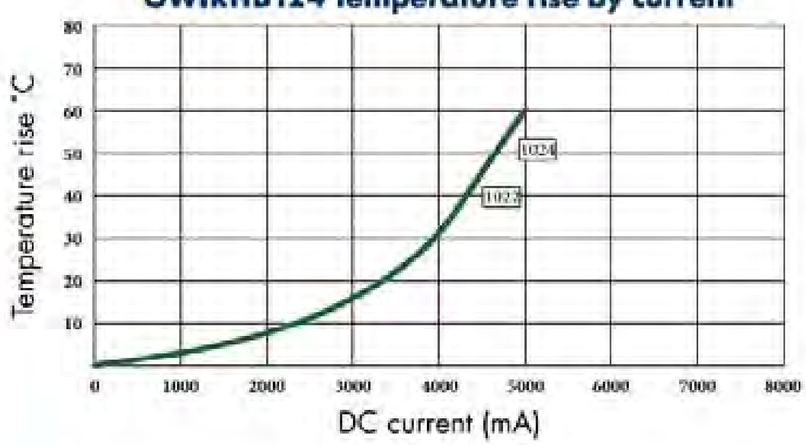
ELECTRICAL CHARACTERISTICS FOR OWIRHB124 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]	TURN RATIO
OWIRHB124-1022	L1=10 L2=38	1KHZ 1KHZ	44m 590m	4.0 1.8	4.0 1.3	1:2.2
OWIRHB124-1024	L1=10 L2=44	1KHZ 1KHZ	44m 600m	4.0 1.7	4.0 1.3	1:2.4

OWIRHB124 Inductance decrease by current



OWIRHB124 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

OWIRHB125 TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

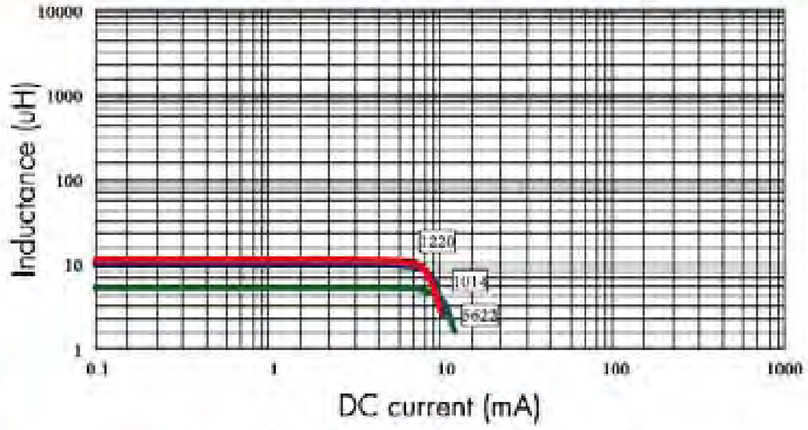
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

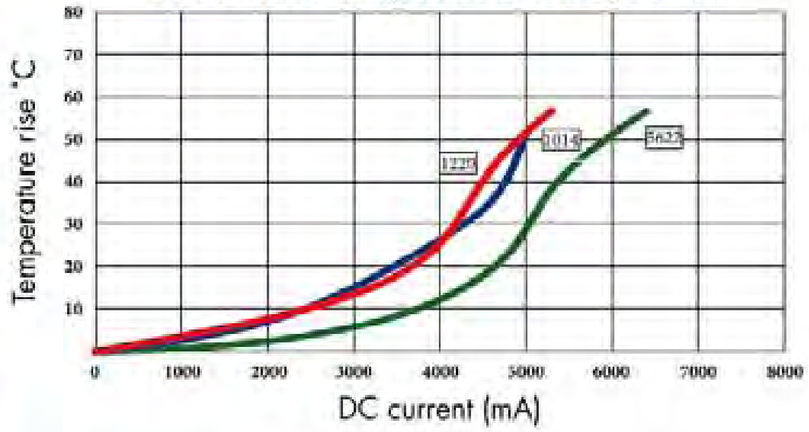
ELECTRICAL CHARACTERISTICS FOR OWIRHB125 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]	TURN RATIO
OWIRHB125-5622	L1=5.6 L2=25	1KHZ 1KHZ	24m 200m	5.3 2.4	4.90 2.30	1:2.2
OWIRHB125-6822	L1=6.8 L2=30	1KHZ 1KHZ	26m 220m	5.0 2.3	4.50 2.00	1:2.2
OWIRHB125-8220	L1=8.2 L2=32	1KHZ 1KHZ	33m 200m	4.7 2.2	4.20 1.95	1:2.0
OWIRHB125-8222	L1=8.2 L2=39	1KHZ 1KHZ	33m 230m	4.7 2.1	4.20 1.95	1:2.2
OWIRHB125-1014	L1=10 L2=20	1KHZ 1KHZ	40m 150m	4.3 2.9	4.00 2.30	1:1.4
OWIRHB125-1016	L1=10 L2=25	1KHZ 1KHZ	40m 180m	4.3 2.6	4.10 2.00	1:1.6
OWIRHB125-1022	L1=10 L2=45	1KHZ 1KHZ	40m 260m	4.3 1.9	4.10 1.70	1:2.2
OWIRHB125-1220	L1=12 L2=45	1KHZ 1KHZ	42m 260m	4.0 1.9	4.00 1.70	1:2.0

OWIRHB125 Inductance decrease by current



OWIRHB125 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

OWIRHB127 TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

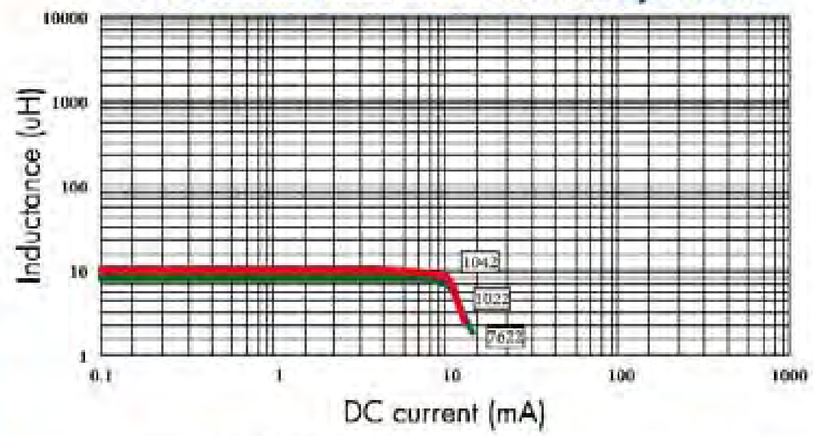
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

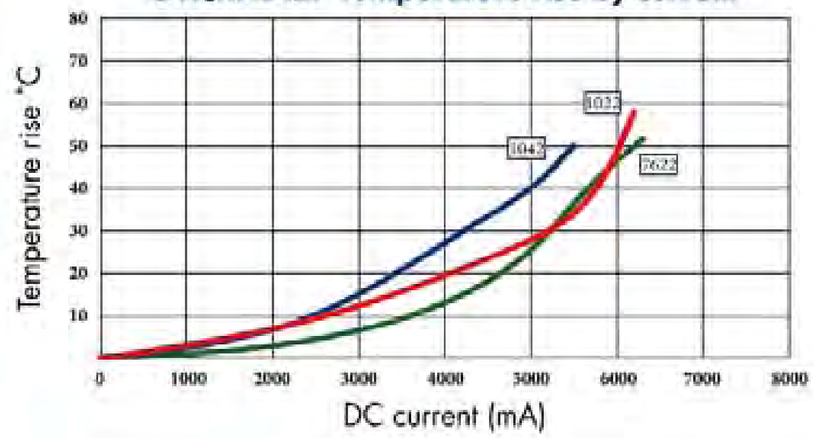
ELECTRICAL CHARACTERISTICS FOR OWIRHB127 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]	TURN RATIO (L1:L2)
OWIRHB127-7622	L1=7.6	1KHZ	31m	7.00	5.00	1:2.2
	L2=38	1KHZ	180m	3.20	2.40	
OWIRHB127-1022	L1=10	1KHZ	38m	4.50	4.50	1:2.2
	L2=45	1KHZ	200m	2.00	2.20	
OWIRHB127-1042	L1=10	1KHZ	33m	4.50	4.70	1:4.2
	L2=160	1KHZ	650m	1.00	1.00	

OWIRHB127 Inductance decrease by current



OWIRHB127 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

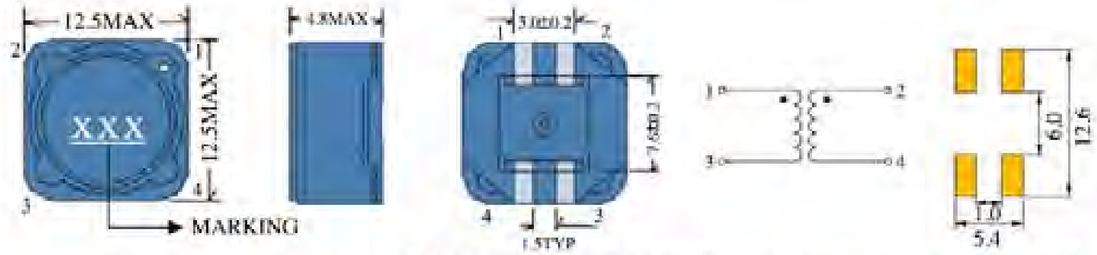
OWIRHB124B TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

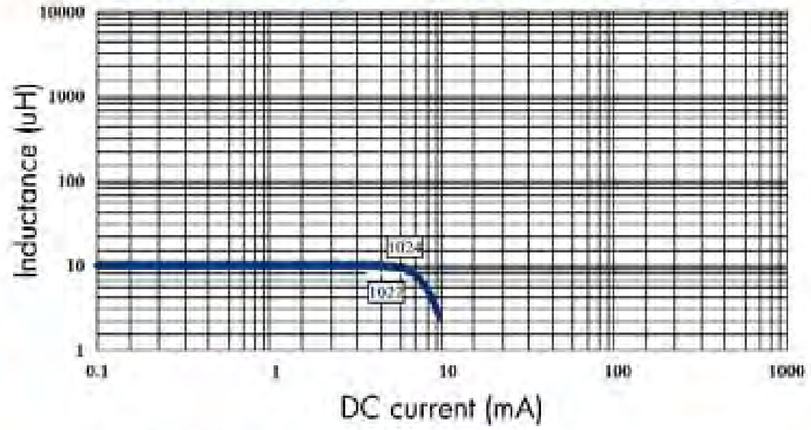
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



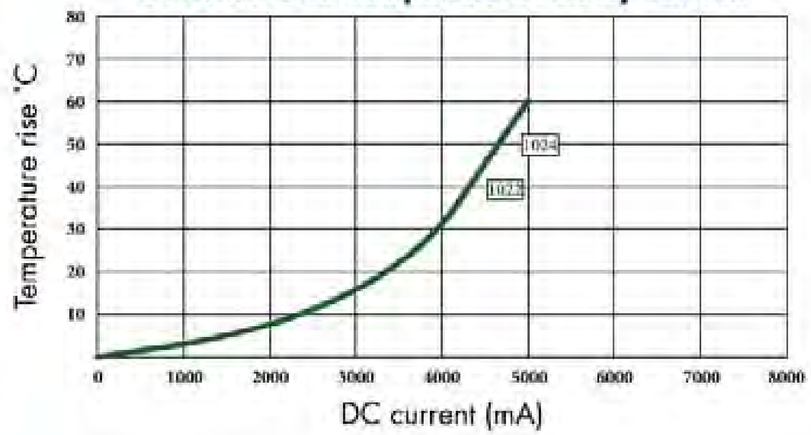
ELECTRICAL CHARACTERISTICS FOR OWIRHB124B SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]	TURN RATIO (L1:L2)
OWIRHB124B-1022	L1=10 L2=38	1KHZ 1KHZ	44m 590m	4.0 1.8	4.0 1.3	1:2.2
OWIRHB124B-1024	L1=10 L2=44	1KHZ 1KHZ	44m 600m	4.0 1.7	4.0 1.3	1:2.4

OWIRHB124B Inductance decrease by current



OWIRHB124B Temperature rise by current



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5. Please refer saturated current or the minimum temperature current as standard.

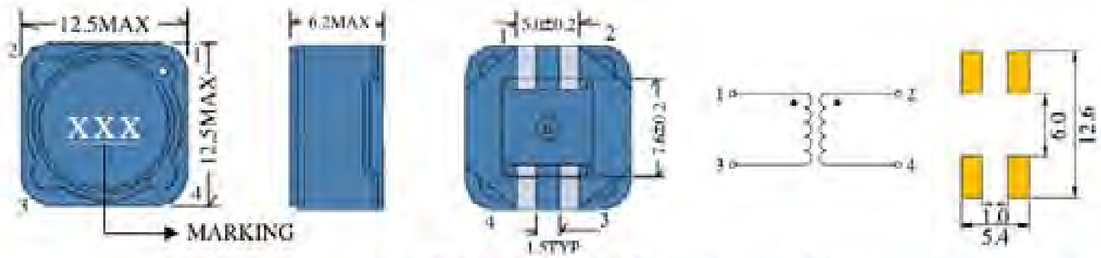
OWIRHB125B TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

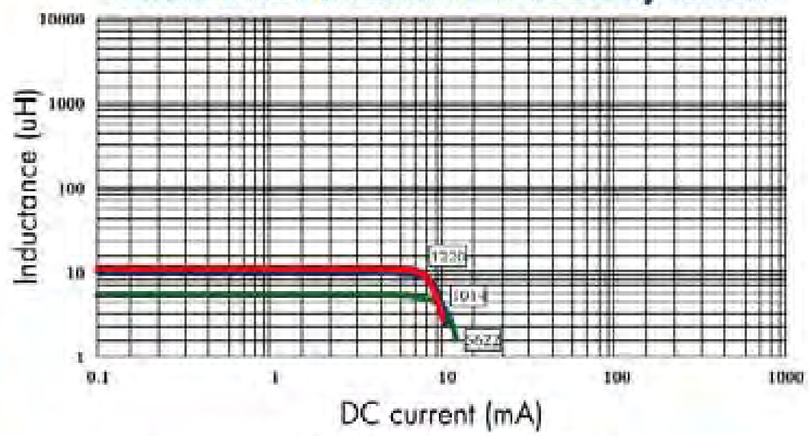
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



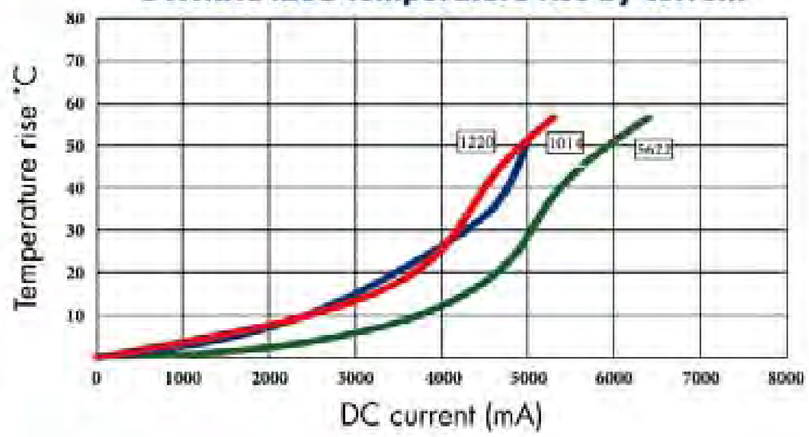
ELECTRICAL CHARACTERISTICS FOR OWIRHB125B SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]	TURN RATIO (L1:L2)
OWIRHB125B-5622	L1=5.6	1KHZ	24m	5.3	4.90	1:2.2
	L2=25	1KHZ	200m	2.4	2.30	
OWIRHB125B-6822	L1=6.8	1KHZ	26m	5.0	4.50	1:2.2
	L2=30	1KHZ	220m	2.3	2.00	
OWIRHB125B-8220	L1=8.2	1KHZ	33m	4.7	4.20	1:2.0
	L2=32	1KHZ	200m	2.2	1.95	
OWIRHB125B-8222	L1=8.2	1KHZ	33m	4.7	4.20	1:2.2
	L2=39	1KHZ	230m	2.1	1.95	
OWIRHB125B-1014	L1=10	1KHZ	40m	4.3	4.00	1:1.4
	L2=20	1KHZ	150m	2.9	2.30	
OWIRHB125B-1016	L1=10	1KHZ	40m	4.3	4.10	1:1.6
	L2=25	1KHZ	180m	2.6	2.00	
OWIRHB125B-1022	L1=10	1KHZ	40m	4.3	4.10	1:2.2
	L2=45	1KHZ	260m	1.9	1.70	
OWIRHB125B-1220	L1=12	1KHZ	42m	4.0	4.00	1:2.0
	L2=45	1KHZ	260m	1.9	1.70	

OWIRHB125B Inductance decrease by current



OWIRHB125B Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

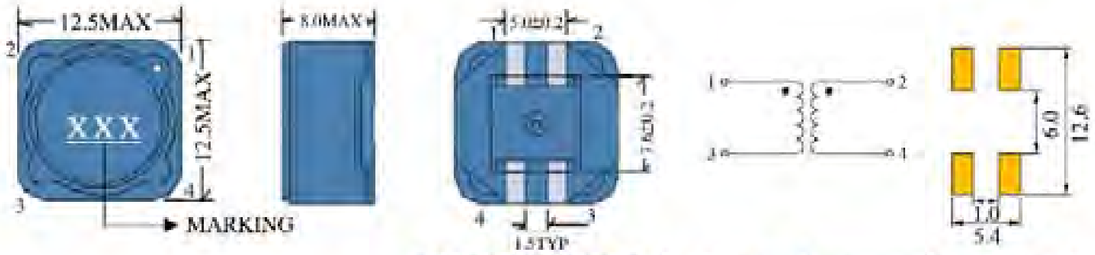
OWIRHB127B TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

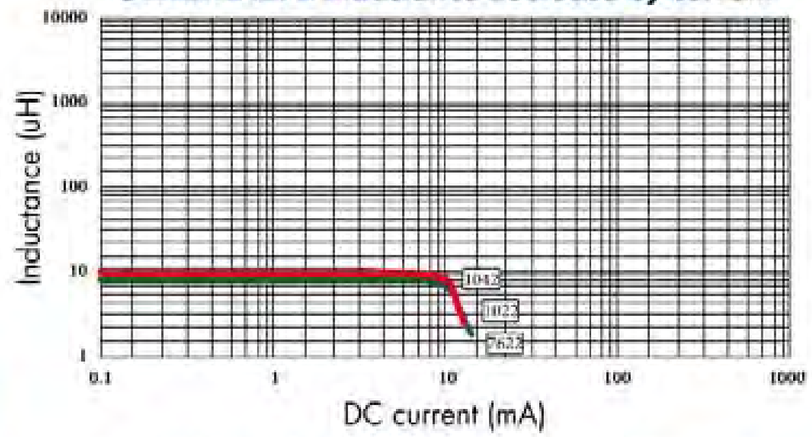
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



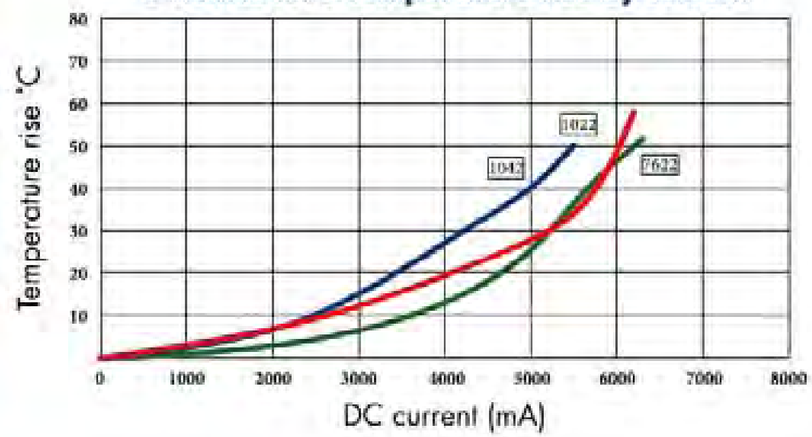
ELECTRICAL CHARACTERISTICS FOR OWIRHB127B SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]	TURN RATIO (L1:L2)
OWIRHB127B-7622	L1=7.6	1KHZ	31m	7.00	5.00	1:2.2
	L2=38	1KHZ	180m	3.20	2.40	
OWIRHB127B-1022	L1=10	1KHZ	38m	4.50	4.50	1:2.2
	L2=45	1KHZ	200m	2.00	2.20	
OWIRHB127B-1042	L1=10	1KHZ	33m	4.50	4.70	1:4.2
	L2=160	1KHZ	650m	1.00	1.00	

OWIRHB127B Inductance decrease by current



OWIRHB127B Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±20%(M)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 25% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

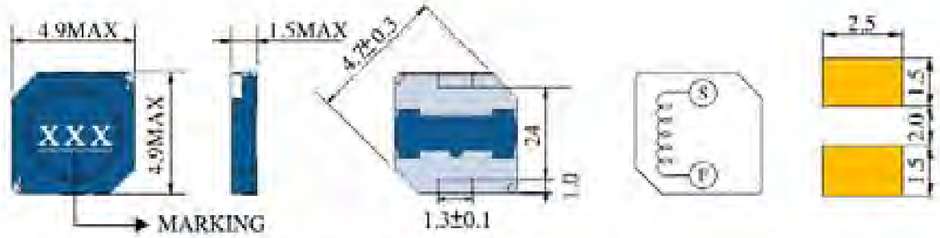
OWIRH4D14R TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

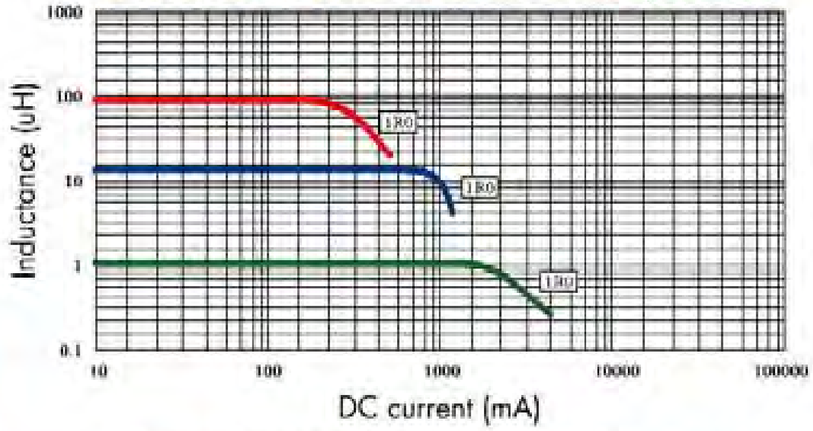
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



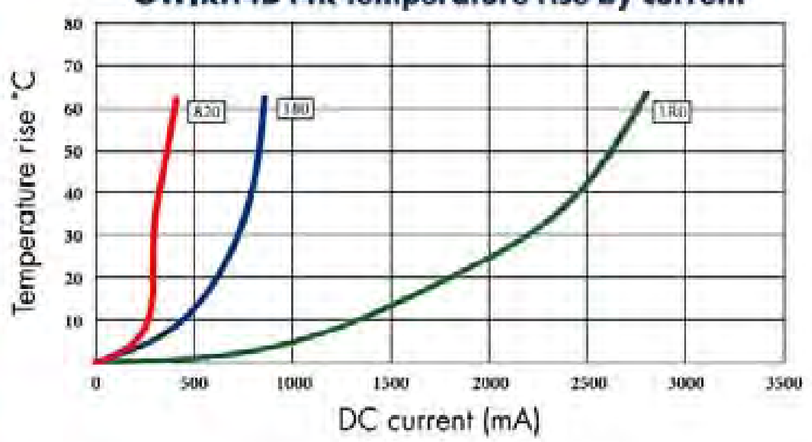
ELECTRICAL CHARACTERISTICS FOR OWIRH4D14R SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH4D14R-1R0	1.0	100KHZ	58m	1.50	1.80
OWIRH4D14R-2R2	2.2	100KHZ	75m	1.20	1.70
OWIRH4D14R-3R3	3.3	100KHZ	120m	0.90	1.45
OWIRH4D14R-4R7	4.7	100KHZ	165m	0.75	1.23
OWIRH4D14R-5R6	5.6	100KHZ	186m	0.70	1.10
OWIRH4D14R-6R8	6.8	100KHZ	195m	0.62	1.00
OWIRH4D14R-8R2	8.2	100KHZ	210m	0.61	0.89
OWIRH4D14R-100	10	100KHZ	285m	0.60	0.84
OWIRH4D14R-120	12	100KHZ	360m	0.50	0.79
OWIRH4D14R-150	15	100KHZ	460m	0.48	0.71
OWIRH4D14R-180	18	100KHZ	515m	0.47	0.68
OWIRH4D14R-220	22	100KHZ	690m	0.42	0.61
OWIRH4D14R-270	27	100KHZ	920m	0.25	0.52
OWIRH4D14R-330	33	100KHZ	1.03	0.24	0.47
OWIRH4D14R-390	39	100KHZ	1.13	0.23	0.42
OWIRH4D14R-470	47	100KHZ	1.65	0.22	0.39
OWIRH4D14R-560	56	100KHZ	1.80	0.21	0.37
OWIRH4D14R-680	68	100KHZ	2.65	0.20	0.33
OWIRH4D14R-820	82	100KHZ	3.00	0.19	0.29

OWIRH4D14R Inductance decrease by current



OWIRH4D14R Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±30%(N)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 30% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

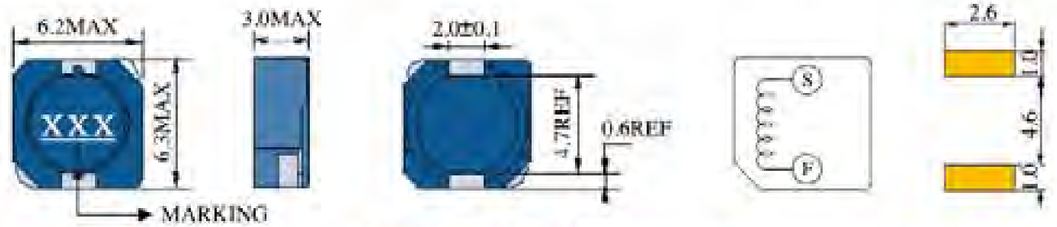
OWIRH5D28R TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

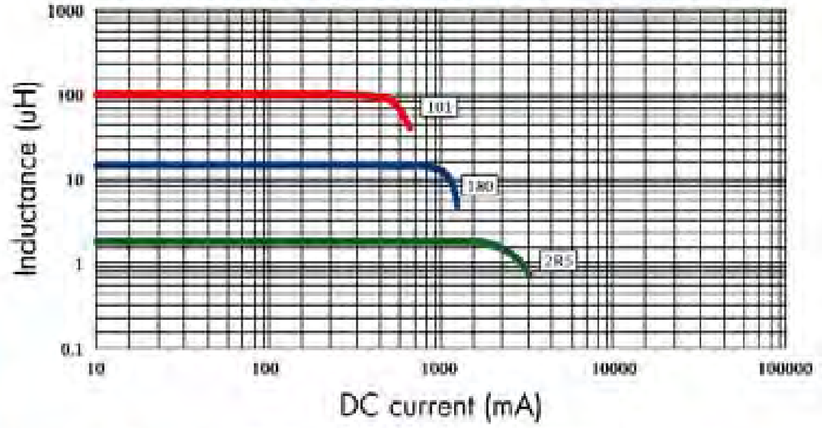
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



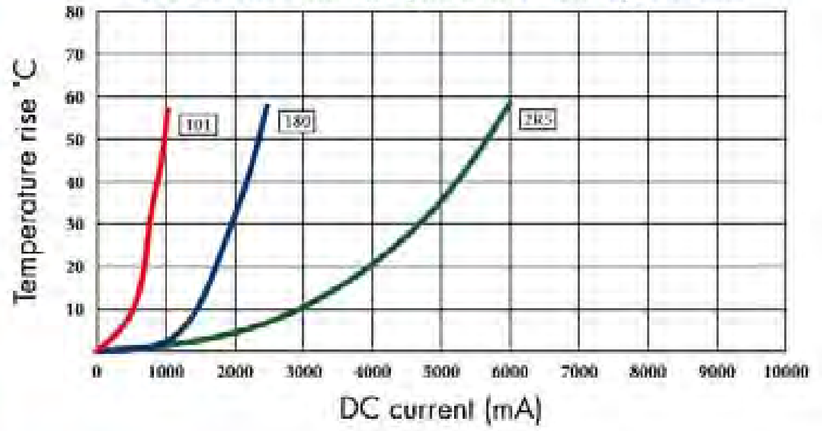
ELECTRICAL CHARACTERISTICS FOR OWIRH5D28R SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH5D28R-2R5	2.5	100KHZ	17.6m	2.60	4.40
OWIRH5D28R-3R3	3.3	100KHZ	20.3m	2.30	4.18
OWIRH5D28R-4R0	4.0	100KHZ	27.0m	2.10	3.96
OWIRH5D28R-5R0	5.0	100KHZ	31.1m	1.85	3.38
OWIRH5D28R-6R0	6.0	100KHZ	41.9m	1.70	3.00
OWIRH5D28R-8R0	8.0	100KHZ	49.9m	1.50	2.70
OWIRH5D28R-100	10	100KHZ	54.0m	1.30	2.43
OWIRH5D28R-120	12	100KHZ	71.6m	1.20	2.18
OWIRH5D28R-150	15	100KHZ	82.4m	1.10	1.96
OWIRH5D28R-180	18	100KHZ	101.5m	1.05	1.76
OWIRH5D28R-220	22	100KHZ	119.0m	0.95	1.58
OWIRH5D28R-270	27	100KHZ	146.0m	0.85	1.50
OWIRH5D28R-330	33	100KHZ	182.5m	0.76	1.35
OWIRH5D28R-390	39	100KHZ	209.5m	0.68	1.21
OWIRH5D28R-470	47	100KHZ	229.5m	0.60	1.15
OWIRH5D28R-560	56	100KHZ	305.0m	0.55	1.03
OWIRH5D28R-680	68	100KHZ	351.0m	0.48	0.94
OWIRH5D28R-820	82	100KHZ	418.5m	0.45	0.85
OWIRH5D28R-101	100	100KHZ	520.0m	0.40	0.78

OWIRH5D28R Inductance decrease by current



OWIRH5D28R Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±30%(N)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 35% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

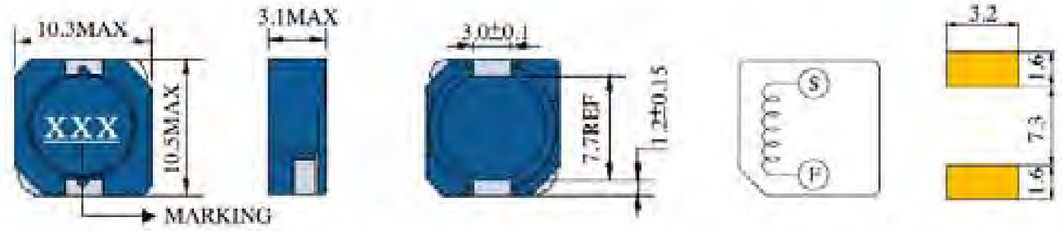
OWIRH103R TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

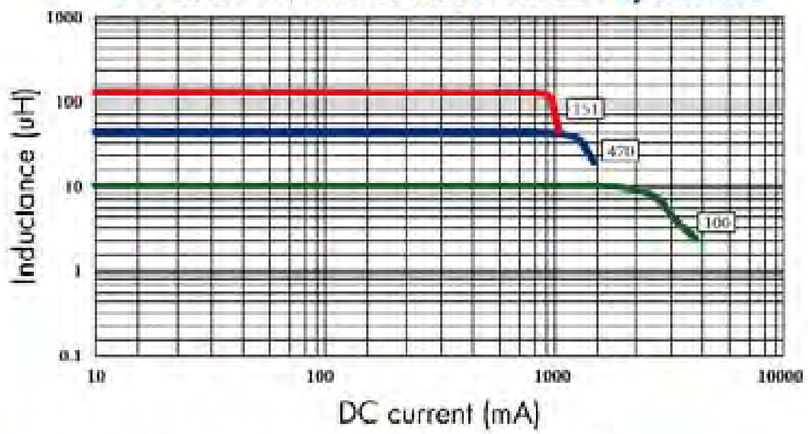
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



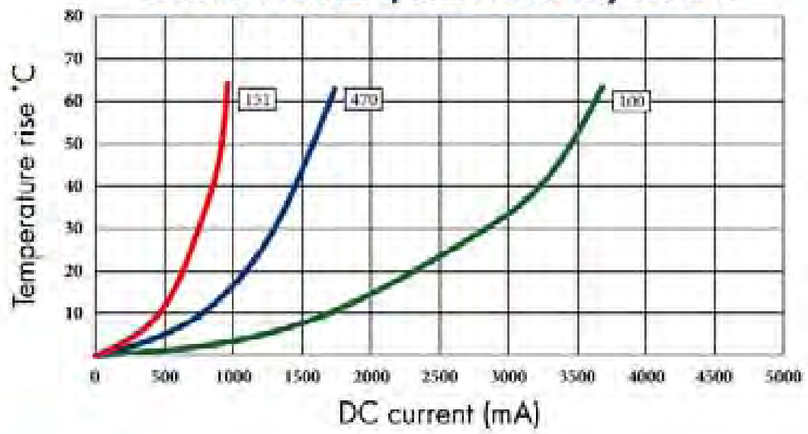
ELECTRICAL CHARACTERISTICS FOR OWIRH103R SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH103R-100	10	100KHZ	58m	2.70	2.75
OWIRH103R-120	12	100KHZ	72m	2.25	2.48
OWIRH103R-150	15	100KHZ	86m	2.22	2.24
OWIRH103R-180	18	100KHZ	116m	1.90	2.00
OWIRH103R-220	22	100KHZ	145m	1.78	1.80
OWIRH103R-270	27	100KHZ	175m	1.63	1.62
OWIRH103R-330	33	100KHZ	213m	1.45	1.46
OWIRH103R-390	39	100KHZ	268m	1.32	1.32
OWIRH103R-470	47	100KHZ	298m	1.18	1.30
OWIRH103R-560	56	100KHZ	335m	1.10	1.08
OWIRH103R-680	68	100KHZ	451m	1.04	1.00
OWIRH103R-820	82	100KHZ	513m	0.94	0.98
OWIRH103R-101	100	100KHZ	700m	0.84	0.92
OWIRH103R-121	120	100KHZ	765m	0.76	0.88
OWIRH103R-151	150	100KHZ	876m	0.70	0.73

OWIRH103R Inductance decrease by current



OWIRH103R Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±30%(N)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 35% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

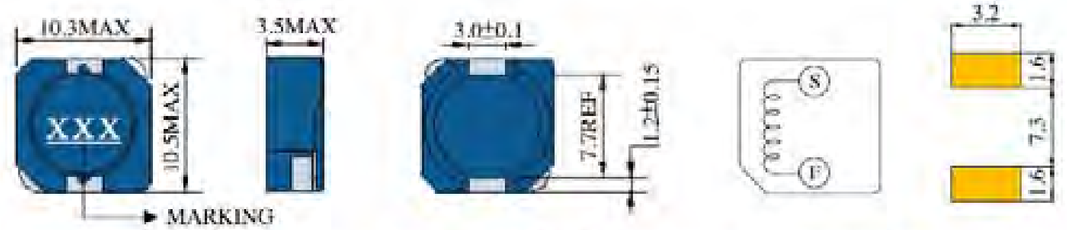
OWIRH1035R TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

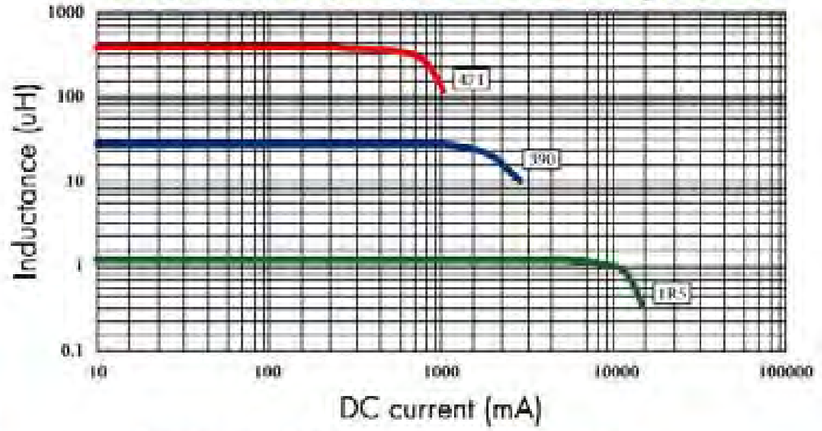
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



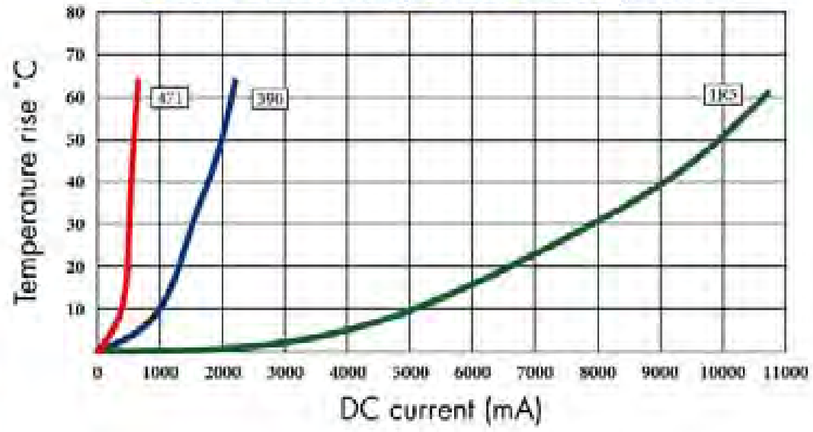
ELECTRICAL CHARACTERISTICS FOR OWIRH1035R SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH1035R-1R5	1.5	100KHZ	10m	8.10	7.69
OWIRH1035R-2R2	2.2	100KHZ	15m	8.00	7.60
OWIRH1035R-3R3	3.3	100KHZ	20m	7.00	7.00
OWIRH1035R-4R7	4.7	100KHZ	30m	4.10	4.10
OWIRH1035R-5R6	5.6	100KHZ	33m	4.00	4.00
OWIRH1035R-6R8	6.8	100KHZ	41m	3.80	3.80
OWIRH1035R-100	10	100KHZ	69m	3.40	3.00
OWIRH1035R-120	12	100KHZ	82m	3.20	2.85
OWIRH1035R-150	15	100KHZ	94m	2.70	2.70
OWIRH1035R-180	18	100KHZ	104m	2.60	2.40
OWIRH1035R-220	22	100KHZ	119m	2.56	2.20
OWIRH1035R-270	27	100KHZ	137m	2.00	1.80
OWIRH1035R-330	33	100KHZ	162m	1.90	1.70
OWIRH1035R-390	39	100KHZ	184m	1.60	1.60
OWIRH1035R-470	47	100KHZ	218m	1.40	1.52
OWIRH1035R-560	56	100KHZ	248m	1.35	1.35
OWIRH1035R-680	68	100KHZ	268m	1.30	1.30
OWIRH1035R-820	82	100KHZ	337m	1.28	1.28
OWIRH1035R-101	100	100KHZ	450m	1.20	1.08
OWIRH1035R-121	120	100KHZ	504m	1.10	1.00
OWIRH1035R-151	150	100KHZ	637m	0.90	0.81
OWIRH1035R-181	180	100KHZ	760m	0.85	0.77
OWIRH1035R-221	220	100KHZ	880m	0.70	0.73
OWIRH1035R-271	270	100KHZ	1.19	0.65	0.60
OWIRH1035R-331	330	100KHZ	1.48	0.60	0.51
OWIRH1035R-391	390	100KHZ	1.79	0.58	0.45
OWIRH1035R-471	470	100KHZ	2.22	0.50	0.50

OWIRH1035R Inductance decrease by current



OWIRH1035R Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±30%(N)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 35% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

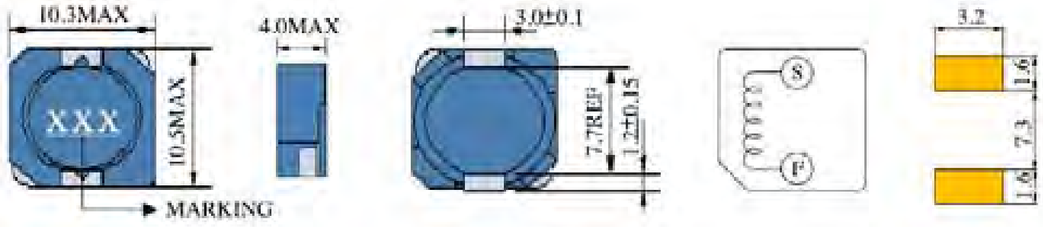
OWIRH104R TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

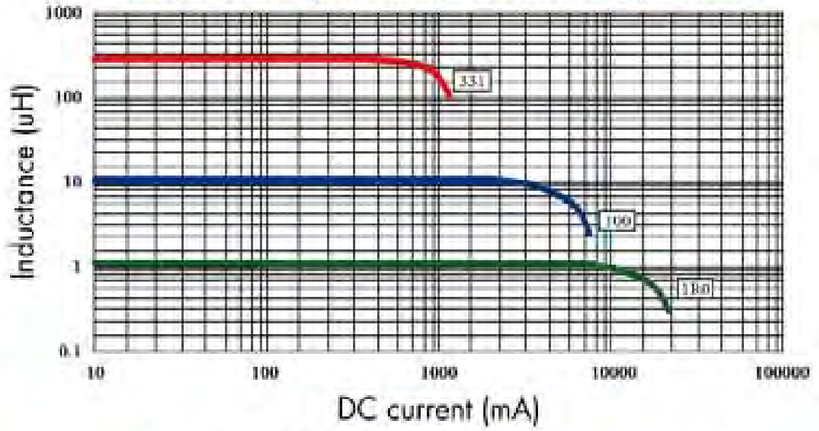
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



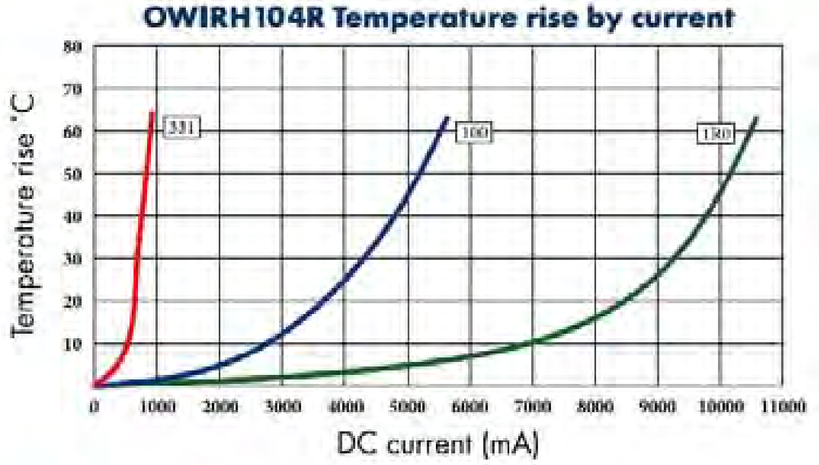
ELECTRICAL CHARACTERISTICS FOR OWIRH104R SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH104R-1R0	1.0	100KHZ	8.1m	10.1	9.00
OWIRH104R-1R5	1.5	100KHZ	8.1m	10.0	10.0
OWIRH104R-2R5	2.5	100KHZ	10m	7.50	7.50
OWIRH104R-3R3	3.3	100KHZ	15m	7.00	6.70
OWIRH104R-3R8	3.8	100KHZ	15m	6.00	6.00
OWIRH104R-4R7	4.7	100KHZ	22m	5.80	5.40
OWIRH104R-5R2	5.2	100KHZ	22m	5.70	5.10
OWIRH104R-5R8	5.8	100KHZ	22m	5.50	4.84
OWIRH104R-7R0	7.0	100KHZ	27m	4.80	4.59
OWIRH104R-100	10	100KHZ	35m	4.40	4.36
OWIRH104R-150	15	100KHZ	50m	3.60	3.10
OWIRH104R-220	22	100KHZ	73m	2.90	2.70
OWIRH104R-330	33	100KHZ	117m	2.30	2.10
OWIRH104R-470	47	100KHZ	128m	2.10	1.90
OWIRH104R-680	68	100KHZ	265m	1.50	1.42
OWIRH104R-101	100	100KHZ	304m	1.35	1.25
OWIRH104R-151	150	100KHZ	506m	1.15	0.93
OWIRH104R-221	220	100KHZ	756m	0.92	0.70
OWIRH104R-331	330	100KHZ	1.09	0.70	0.63

OWIRH104R Inductance decrease by current



OWIRH104R Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±30%(N)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 35% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

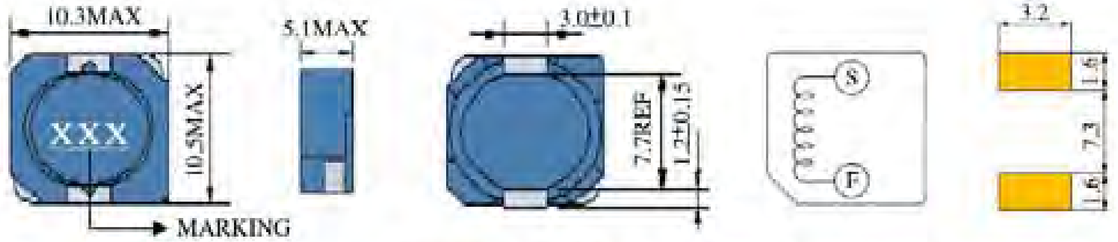
OWIRH105R TYPE

FEATURES

1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

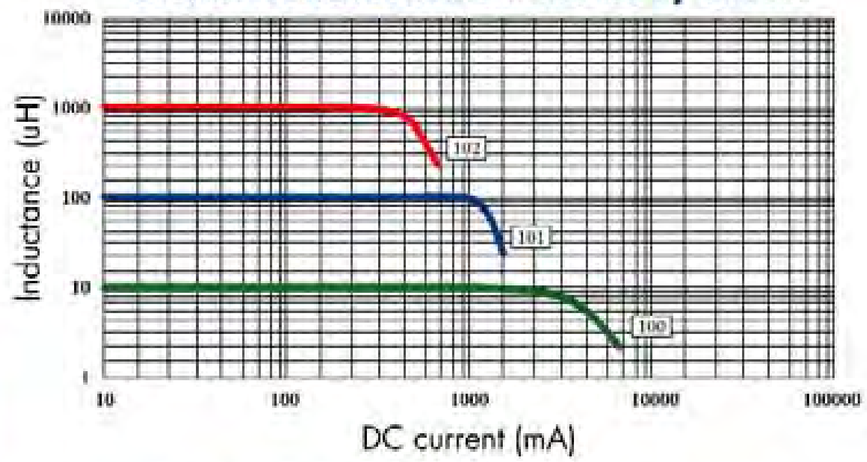
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



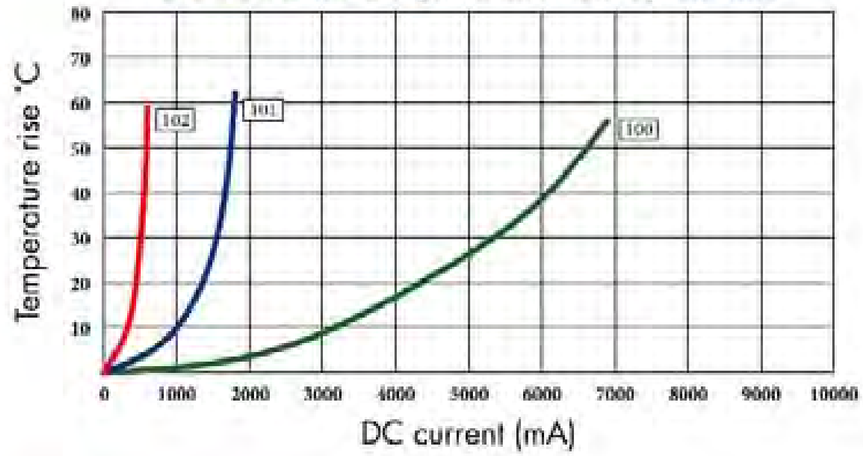
ELECTRICAL CHARACTERISTICS FOR OWIRH105R SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH105R-100	10	100KHZ	26m	3.45	4.50
OWIRH105R-120	12	100KHZ	33m	3.40	4.27
OWIRH105R-150	15	100KHZ	41m	2.83	4.00
OWIRH105R-180	18	100KHZ	46m	2.62	3.80
OWIRH105R-220	22	100KHZ	61m	2.44	3.40
OWIRH105R-270	27	100KHZ	69m	2.24	3.00
OWIRH105R-330	33	100KHZ	84m	1.88	2.70
OWIRH105R-390	39	100KHZ	106m	1.70	2.43
OWIRH105R-470	47	100KHZ	130m	1.56	2.10
OWIRH105R-560	56	100KHZ	149m	1.39	1.90
OWIRH105R-680	68	100KHZ	201m	1.36	1.65
OWIRH105R-820	82	100KHZ	227m	1.20	1.50
OWIRH105R-101	100	100KHZ	253m	1.09	1.42
OWIRH105R-121	120	100KHZ	303m	1.00	1.34
OWIRH105R-151	150	100KHZ	370m	0.91	1.27
OWIRH105R-181	180	100KHZ	419m	0.84	1.20
OWIRH105R-221	220	100KHZ	500m	0.75	1.08
OWIRH105R-271	270	100KHZ	672m	0.68	0.97
OWIRH105R-331	330	100KHZ	812m	0.60	0.87
OWIRH105R-391	390	100KHZ	953m	0.57	0.78
OWIRH105R-471	470	100KHZ	1.28	0.50	0.70
OWIRH105R-561	560	100KHZ	1.43	0.47	0.63
OWIRH105R-681	680	100KHZ	1.60	0.43	0.56
OWIRH105R-821	820	100KHZ	1.75	0.39	0.50
OWIRH105R-102	1000	100KHZ	1.99	0.35	0.45

OWIRH105R Inductance decrease by current



OWIRH105R Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:±30%(N)
2. DCR test temp. limits 25°C.
3. This indicates the value of current when the inductance is 35% lower than its initial value at D.C. superposition or D.C. current.
4. To load current onto the components under normal ambience, which cause the temp, change as Δt=40°C or more lower current.
5. Please refer saturated current or the minimum temperature current as standard.

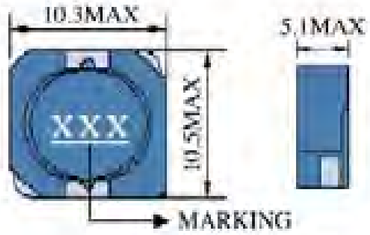
OWIRH105RY TYPE

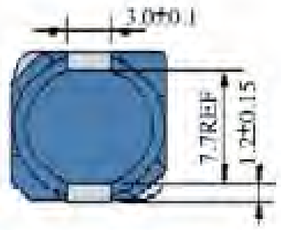
FEATURES

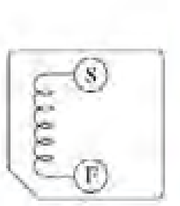
1. Various high power inductors are superior to be high saturation for surface mounting.

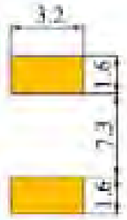
APPLICATIONS

1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.

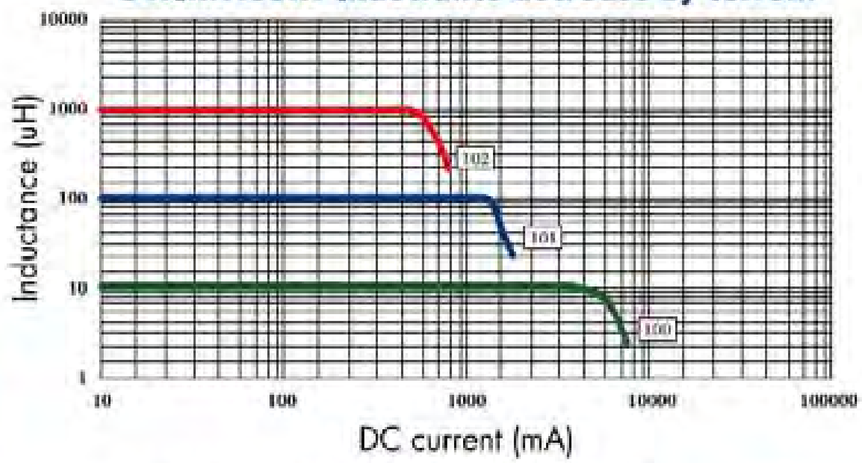




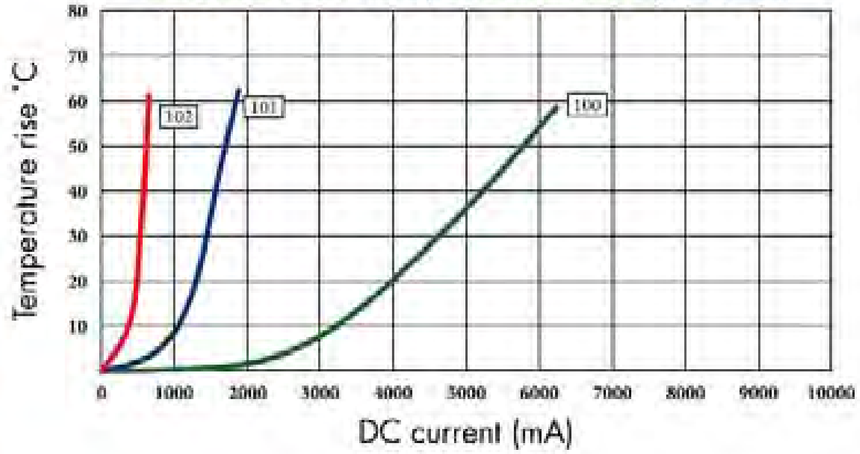




OWIRH105RY Inductance decrease by current



OWIRH105RY Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWIRH105RY SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWIRH105RY-0R8	0.8	100KHZ	5m	13.5	11.50
OWIRH105RY-1R5	1.5	100KHZ	6m	10.5	10.30
OWIRH105RY-2R2	2.2	100KHZ	8m	9.25	9.20
OWIRH105RY-3R3	3.3	100KHZ	11m	8.80	8.20
OWIRH105RY-4R7	4.7	100KHZ	13m	8.00	7.30
OWIRH105RY-6R8	6.8	100KHZ	18m	5.50	6.20
OWIRH105RY-8R2	8.2	100KHZ	20m	5.00	5.50
OWIRH105RY-100	10	100KHZ	26m	4.45	4.50
OWIRH105RY-120	12	100KHZ	33m	4.00	4.00
OWIRH105RY-150	15	100KHZ	41m	3.60	3.80
OWIRH105RY-180	18	100KHZ	46m	3.20	3.42
OWIRH105RY-220	22	100KHZ	61m	2.95	3.07
OWIRH105RY-270	27	100KHZ	69m	2.70	2.76
OWIRH105RY-330	33	100KHZ	84m	2.40	2.48
OWIRH105RY-390	39	100KHZ	106m	2.30	2.35
OWIRH105RY-470	47	100KHZ	130m	2.00	2.11
OWIRH105RY-560	56	100KHZ	149m	1.90	2.00
OWIRH105RY-680	68	100KHZ	201m	1.65	1.70
OWIRH105RY-820	82	100KHZ	227m	1.50	1.53
OWIRH105RY-101	100	100KHZ	253m	1.35	1.35
OWIRH105RY-121	120	100KHZ	303m	1.28	1.28
OWIRH105RY-151	150	100KHZ	370m	1.12	1.15
OWIRH105RY-181	180	100KHZ	419m	1.04	1.09
OWIRH105RY-221	220	100KHZ	500m	0.94	0.93
OWIRH105RY-271	270	100KHZ	672m	0.84	0.85
OWIRH105RY-331	330	100KHZ	812m	0.75	0.76
OWIRH105RY-391	390	100KHZ	953m	0.70	0.68
OWIRH105RY-471	470	100KHZ	1.30	0.60	0.60
OWIRH105RY-561	560	100KHZ	1.43	0.54	0.57
OWIRH105RY-681	680	100KHZ	1.60	0.52	0.54
OWIRH105RY-821	820	100KHZ	1.77	0.50	0.50
OWIRH105RY-102	1000	100KHZ	1.99	0.48	0.46

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