



### OWI1606 TYPE



#### FEATURES

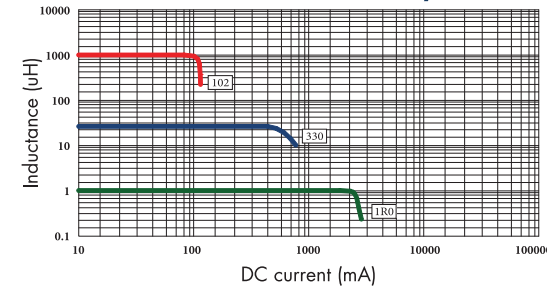
1. Various high power inductors are superior to be high saturation for surface mounting.

#### APPLICATIONS

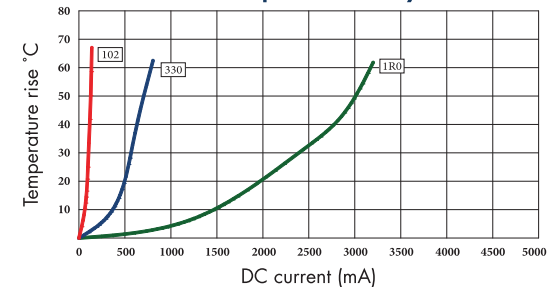
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



OWI1606 Inductance decrease by current



OWI1606 Temperature rise by current



### ELECTRICAL CHARACTERISTICS FOR OWI1606 SERIES

Part Number	Inductance (uH) <sup>(1)</sup>	Test Frequency	DC Resistance (Ω MAX) <sup>(2)</sup>	Saturation Current (A) <sup>(3)</sup>	Temperature Current (A) <sup>(4)</sup>
OWI1606-1R0	1.0	100KHZ	90m	2.50	2.45
OWI1606-1R5	1.5	100KHZ	100m	2.20	1.90
OWI1606-2R2	2.2	100KHZ	110m	1.80	1.78
OWI1606-3R3	3.3	100KHZ	120m	1.40	1.65
OWI1606-4R7	4.7	100KHZ	160m	1.20	1.40
OWI1606-6R8	6.8	100KHZ	240m	1.10	1.18
OWI1606-100	10	100KHZ	300m	1.00	1.05
OWI1606-150	15	100KHZ	400m	0.80	0.88
OWI1606-220	22	100KHZ	540m	0.60	0.72
OWI1606-330	33	100KHZ	820m	0.50	0.58
OWI1606-470	47	100KHZ	1.20	0.45	0.47
OWI1606-680	68	100KHZ	1.60	0.35	0.40
OWI1606-101	100	100KHZ	2.60	0.30	0.30
OWI1606-151	150	100KHZ	3.50	0.25	0.26
OWI1606-221	220	100KHZ	5.70	0.20	0.21
OWI1606-331	330	100KHZ	9.30	0.16	0.16
OWI1606-471	470	100KHZ	12.6	0.14	0.14
OWI1606-681	680	100KHZ	17.5	0.12	0.12
OWI1606-102	1000	100KHZ	26.8	0.08	0.10

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1. Inductance tested at 0.25V. Tolerance of inductance:  
1.0uH: ±30%(N) 1.5uH~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.