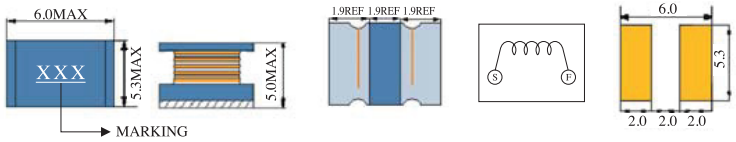
OWI2220 TYPE



FEATURES

1. Low DC resistance, high rated current and high inductance.
   Inductance: 0.1 to 10000uH.
2. The series exhibits low voltage drops and small variations in inductance with respect to temperature rise and DC current level. This makes them excellent for use as power supply line choke coils.

APPLICATIONS

1. Portable communication, equipments.
2. DC/DC converters, etc.

ELECTRICAL CHARACTERISTICS FOR OWI2220 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWI2220-R10	0.1	1MHZ	9.8m	6.00	7.80
OWI2220-R24	0.24	1MHZ	14.0m	5.30	6.60
OWI2220-R42	0.42	1MHZ	18.2m	4.80	5.40
OWI2220-1R0	1.0	1MHZ	26.6m	4.00	4.40
OWI2220-1R5	1.5	1MHZ	30.8m	3.70	3.90
OWI2220-2R2	2.2	1MHZ	40.6m	3.20	3.50
OWI2220-3R3	3.3	1MHZ	50.4m	2.90	3.10
OWI2220-4R7	4.7	1MHZ	63.0m	2.70	2.80
OWI2220-6R8	6.8	1MHZ	104m	2.00	2.38
OWI2220-100	10	1MHZ	130m	1.70	1.85
OWI2220-150	15	1MHZ	210m	1.40	1.50
OWI2220-220	22	1MHZ	265m	1.20	1.23
OWI2220-330	33	1MHZ	448m	0.90	0.96
OWI2220-470	47	1MHZ	630m	0.80	0.76
OWI2220-680	68	1MHZ	938m	0.64	0.68
OWI2220-101	100	100KHZ	1.20	0.56	0.52
OWI2220-151	150	100KHZ	2.66	0.42	0.40
OWI2220-221	220	100KHZ	3.36	0.32	0.30
OWI2220-331	330	100KHZ	6.16	0.27	0.26
OWI2220-471	470	100KHZ	7.56	0.24	0.23
OWI2220-681	680	100KHZ	11.34	0.19	0.19
OWI2220-102	1000	10KHZ	14.42	0.15	0.15
OWI2220-222	2200	10KHZ	30.10	0.10	0.10
OWI2220-472	4700	10KHZ	61.04	0.07	0.07
OWI2220-103	10000	10KHZ	140.00	0.05	0.05

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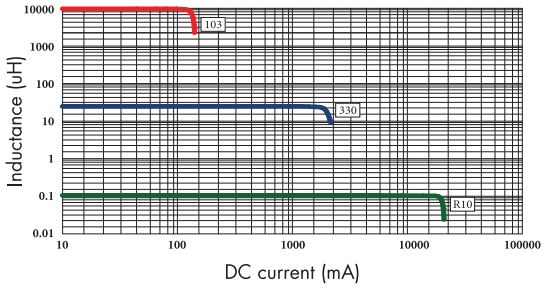
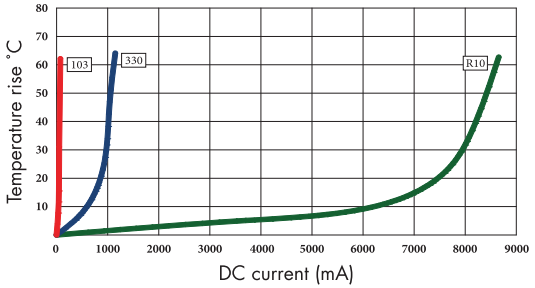
OWI2220 Inductance decrease by current



OWI2220 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance:
   0.1uH~0.42uH: ±30%(N) 1.0uH~10mH: ±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.