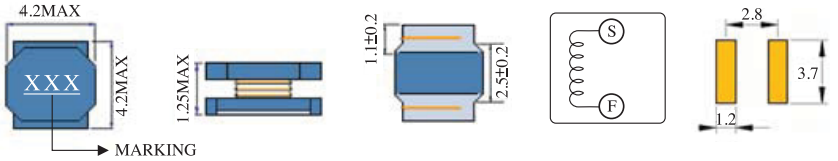
OWI4012 TYPE

FEATURES

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

APPLICATIONS

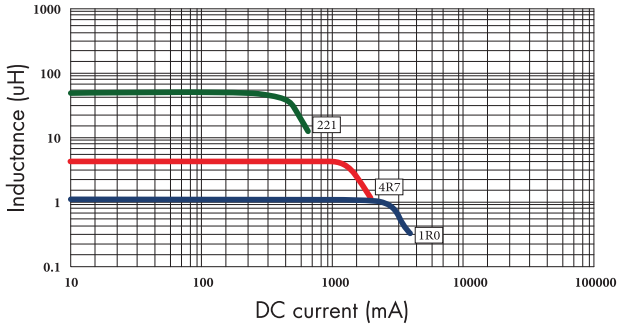
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



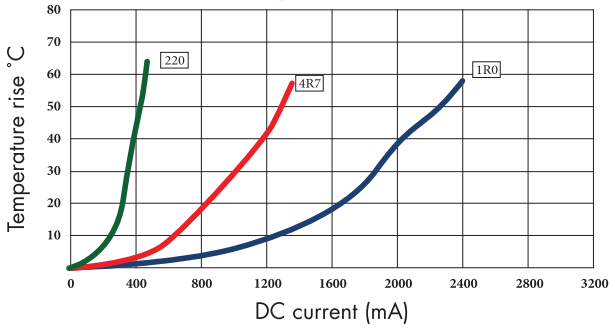
ELECTRICAL CHARACTERISTICS FOR OWI4012 SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
OWI4012-1R0	1.0	100KHZ	72m	2.50	1.70
OWI4012-1R5	1.5	100KHZ	80m	2.00	1.55
OWI4012-2R2	2.2	100KHZ	108m	1.65	1.30
OWI4012-3R3	3.3	100KHZ	156m	1.20	1.10
OWI4012-4R7	4.7	100KHZ	168m	1.05	1.00
OWI4012-6R8	6.8	100KHZ	276m	0.90	0.80
OWI4012-100	10	100KHZ	360m	0.74	0.75
OWI4012-150	15	100KHZ	480m	0.56	0.60
OWI4012-220	22	100KHZ	790m	0.51	0.50
OWI4012-330	33	100KHZ	1.20	0.40	0.42
OWI4012-470	47	100KHZ	1.80	0.35	0.35

OWI4012 Inductance decrease by current



OWI4012 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 1uH~1.5uH: ±30%(N) 2.2uH~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.