



OWI6045 TYPE

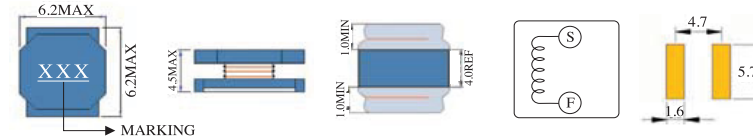


FEATURES

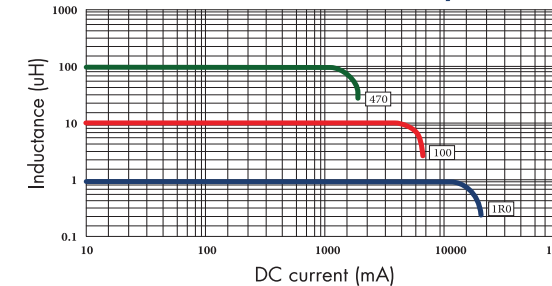
1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

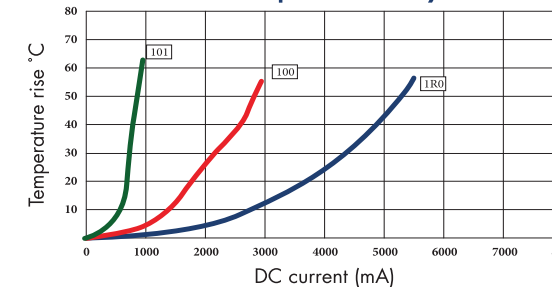
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



OWI6045 Inductance decrease by current



OWI6045 Temperature rise by current



1. Inductance tested at 0.25V. Tolerance of inductance: 1uH~6.3uH: ±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.

ELECTRICAL CHARACTERISTICS FOR OWI6045 SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWI6045-1R0	1.0	100KHZ	18.2m	8.5	4.30
OWI6045-1R3	1.3	100KHZ	20.8m	8.0	4.00
OWI6045-1R8	1.8	100KHZ	23.4m	7.0	3.70
OWI6045-2R3	2.3	100KHZ	30.0m	6.0	3.40
OWI6045-3R0	3.0	100KHZ	35.0m	5.0	3.30
OWI6045-4R5	4.5	100KHZ	43.0m	4.0	3.00
OWI6045-6R3	6.3	100KHZ	54.0m	3.8	2.80
OWI6045-100	10	100KHZ	83.0m	3.0	2.15
OWI6045-150	15	100KHZ	114m	2.3	1.90
OWI6045-220	22	100KHZ	175m	1.9	1.60
OWI6045-330	33	100KHZ	240m	1.5	1.30
OWI6045-470	47	100KHZ	330m	1.3	1.00
OWI6045-680	68	100KHZ	470m	1.0	0.80
OWI6045-101	100	100KHZ	720m	0.8	0.70

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