



OWI6045 TYPE

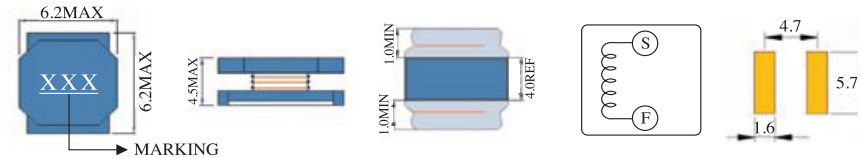


FEATURES

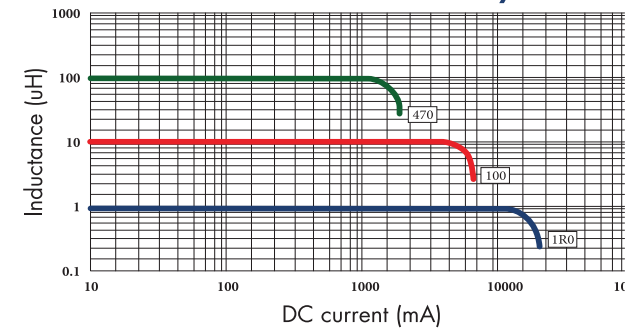
- 1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

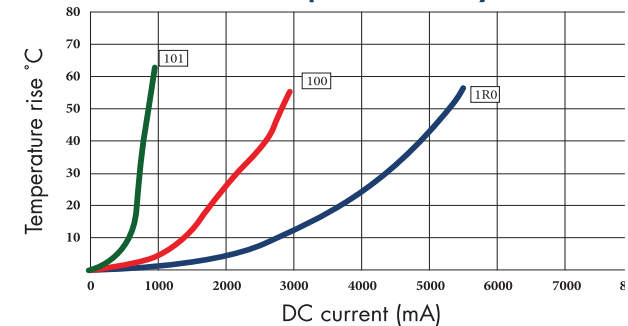
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



OWI6045 Inductance decrease by current



OWI6045 Temperature rise by current



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

- 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 ambient 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.