



OWIRH3D16 TYPE

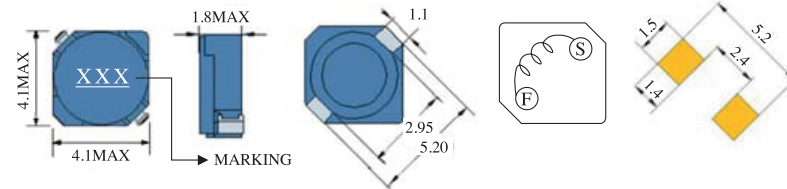


FEATURES

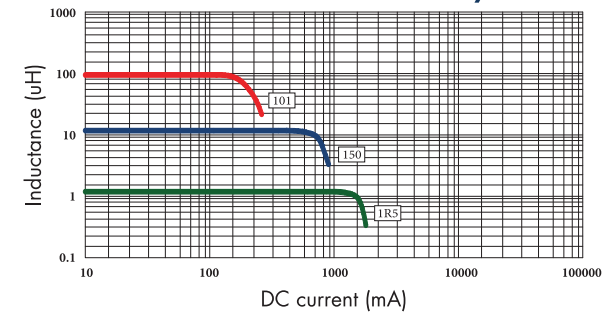
- 1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

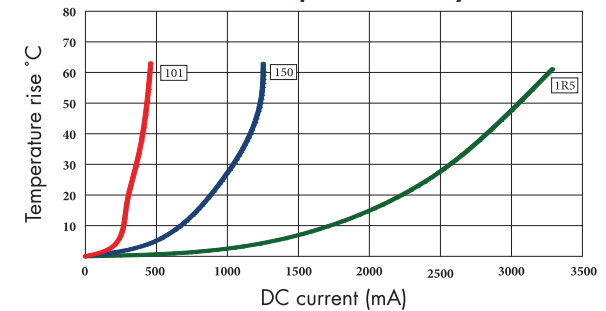
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



OWIRH3D16 Inductance decrease by current



OWIRH3D16 Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWIRH3D16 SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWIRH3D16-1R5	1.5	100KHZ	52m	1.55	2.25
OWIRH3D16-2R2	2.2	100KHZ	72m	1.20	1.80
OWIRH3D16-3R3	3.3	100KHZ	85m	1.10	1.60
OWIRH3D16-4R7	4.7	100KHZ	105m	0.90	1.41
OWIRH3D16-6R8	6.8	100KHZ	170m	0.73	1.14
OWIRH3D16-100	10	100KHZ	210m	0.55	1.08
OWIRH3D16-150	15	100KHZ	295m	0.45	0.92
OWIRH3D16-220	22	100KHZ	430m	0.40	0.78
OWIRH3D16-330	33	100KHZ	675m	0.32	0.62
OWIRH3D16-470	47	100KHZ	940m	0.22	0.52
OWIRH3D16-680	68	100KHZ	1.28	0.20	0.44
OWIRH3D16-820	82	100KHZ	1.55	0.17	0.41
OWIRH3D16-101	100	100KHZ	1.95	0.15	0.35

- 1. Inductance tested at 0.25V. Tolerance of inductance:±30%(N)
- 2. DCR test temp. limits 25 °C.
- 3. This indicates the value of current when the inductance is 35% 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.