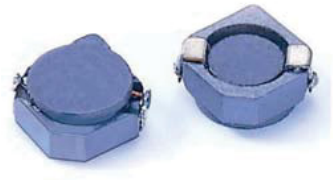
OLE WOLFF

SMD POWER INDUCTORS

OWIRH3D16 TYPE

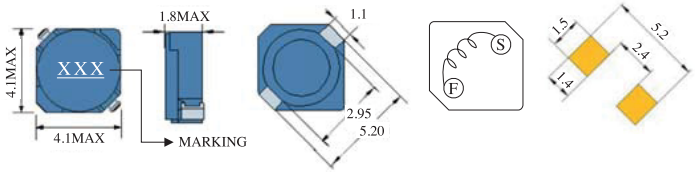


FEATURES

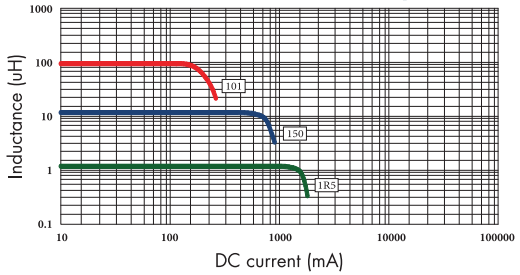
1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

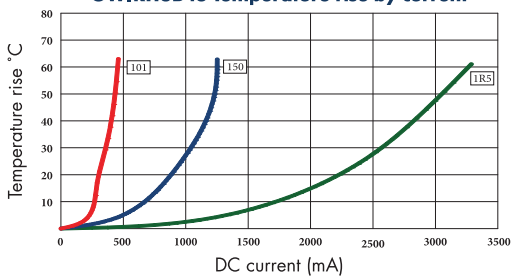
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



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.