



### OWIH3D13 TYPE

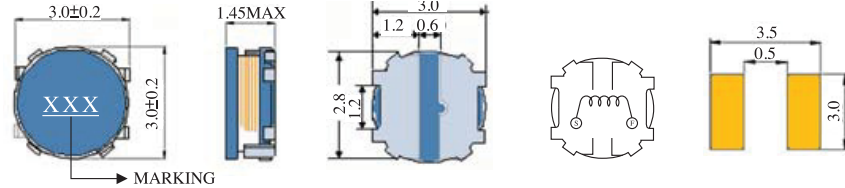


#### FEATURES

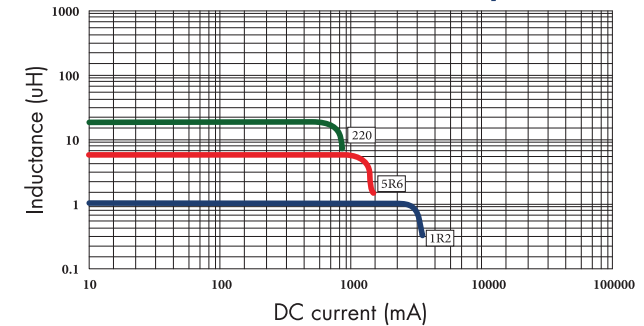
- 1. Various high power inductors are superior to be high saturation for surface mounting.

#### APPLICATIONS

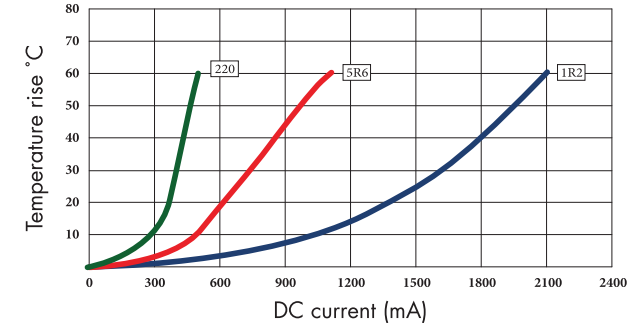
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



#### OWIH3D13 Inductance decrease by current



#### OWIH3D13 Temperature rise by current



### ELECTRICAL CHARACTERISTICS FOR OWIH3D13 SERIES

Part Number	Inductance (uH) <sup>(1)</sup>	Test Frequency	DC Resistance (Ω MAX) <sup>(2)</sup>	Saturation Current (A) <sup>(3)</sup>	Temperature Current (A) <sup>(4)</sup>
OWIH3D13-1R2	1.2	100KHZ	90.4m	2.30	1.60
OWIH3D13-1R5	1.5	100KHZ	102.5m	2.00	1.45
OWIH3D13-2R2	2.2	100KHZ	128.3m	1.70	1.26
OWIH3D13-3R3	3.3	100KHZ	175m	1.45	1.10
OWIH3D13-4R7	4.7	100KHZ	245m	1.20	0.85
OWIH3D13-5R6	5.6	100KHZ	300m	1.10	0.70
OWIH3D13-6R8	6.8	100KHZ	350m	1.00	0.65
OWIH3D13-100	10	100KHZ	530m	0.85	0.57
OWIH3D13-120	12	100KHZ	670m	0.72	0.50
OWIH3D13-150	15	100KHZ	800m	0.65	0.45
OWIH3D13-220	22	100KHZ	1200m	0.55	0.40

- 1. Inductance tested at 1V. Tolerance of inductance: ±20%(M)
- 2. DCR test temp. limits 25°C.
- 3. This indicates the value of current when the inductance is 20% 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.