



OWIRH5D28R TYPE

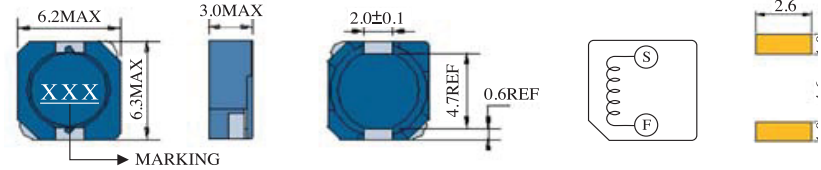


FEATURES

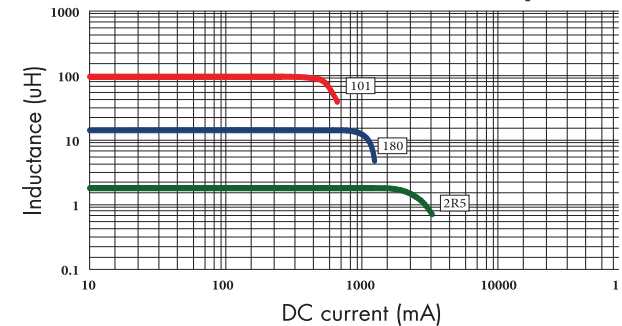
- 1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

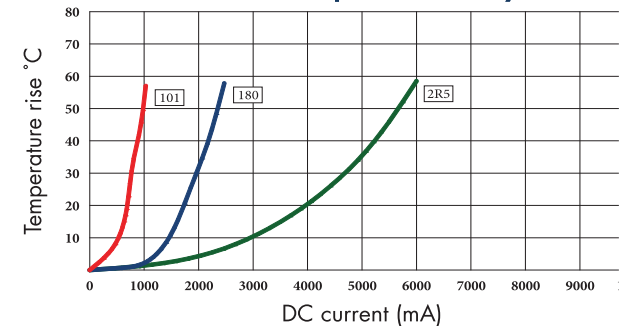
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



OWIRH5D28R Inductance decrease by current



OWIRH5D28R Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWIRH5D28R SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWIRH5D28R-2R5	2.5	100KHZ	17.6m	2.60	4.40
OWIRH5D28R-3R3	3.3	100KHZ	20.3m	2.30	4.18
OWIRH5D28R-4R0	4.0	100KHZ	27.0m	2.10	3.96
OWIRH5D28R-5R0	5.0	100KHZ	31.1m	1.85	3.38
OWIRH5D28R-6R0	6.0	100KHZ	41.9m	1.70	3.00
OWIRH5D28R-8R0	8.0	100KHZ	49.9m	1.50	2.70
OWIRH5D28R-100	10	100KHZ	54.0m	1.30	2.43
OWIRH5D28R-120	12	100KHZ	71.6m	1.20	2.18
OWIRH5D28R-150	15	100KHZ	82.4m	1.10	1.96
OWIRH5D28R-180	18	100KHZ	101.5m	1.05	1.76
OWIRH5D28R-220	22	100KHZ	119.0m	0.95	1.58
OWIRH5D28R-270	27	100KHZ	146.0m	0.85	1.50
OWIRH5D28R-330	33	100KHZ	182.5m	0.76	1.35
OWIRH5D28R-390	39	100KHZ	209.5m	0.68	1.21
OWIRH5D28R-470	47	100KHZ	229.5m	0.60	1.15
OWIRH5D28R-560	56	100KHZ	305.0m	0.55	1.03
OWIRH5D28R-680	68	100KHZ	351.0m	0.48	0.94
OWIRH5D28R-820	82	100KHZ	418.5m	0.45	0.85
OWIRH5D28R-101	100	100KHZ	520.0m	0.40	0.78

- 1. Inductance tested at 0.25V. Tolerance of inductance: ±30%
- 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 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.