



OWIRH5D28R TYPE

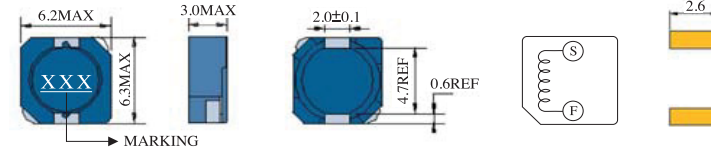


FEATURES

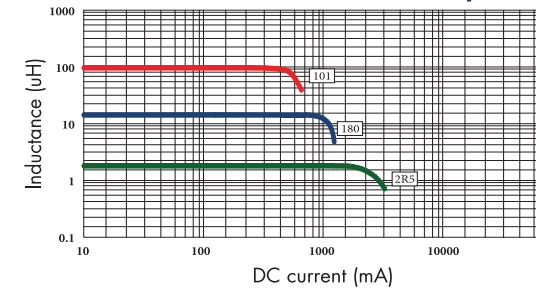
1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

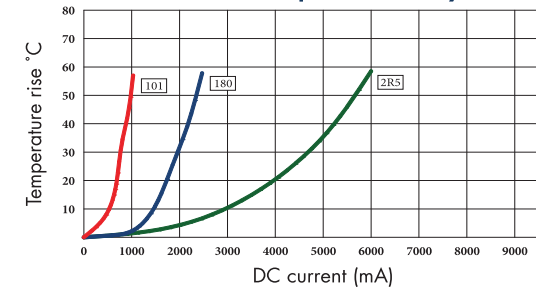
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



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

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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 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.