



OWIRH4D28 TYPE

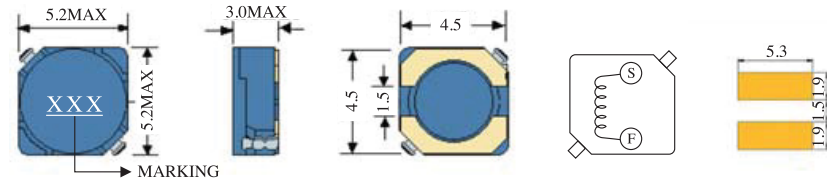


FEATURES

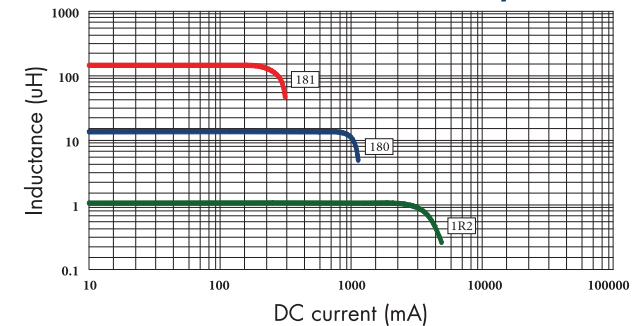
- 1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

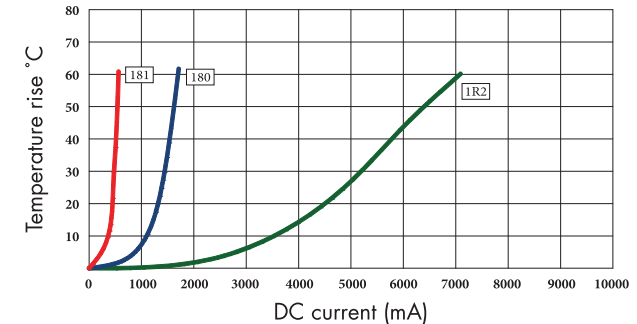
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



OWIRH4D28 Inductance decrease by current



OWIRH4D28 Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWIRH4D28 SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWIRH4D28-1R2	1.2	100KHZ	23.6m	2.56	5.00
OWIRH4D28-1R8	1.8	100KHZ	27.5m	2.20	4.00
OWIRH4D28-2R2	2.2	100KHZ	31.3m	2.04	3.60
OWIRH4D28-2R7	2.7	100KHZ	43.3m	1.60	3.24
OWIRH4D28-3R3	3.3	100KHZ	49.2m	1.57	2.91
OWIRH4D28-3R9	3.9	100KHZ	64.8m	1.44	2.61
OWIRH4D28-4R7	4.7	100KHZ	72.0m	1.32	2.32
OWIRH4D28-5R6	5.6	100KHZ	100m	1.17	2.08
OWIRH4D28-6R8	6.8	100KHZ	108m	1.12	1.87
OWIRH4D28-8R2	8.2	100KHZ	117m	1.04	1.77
OWIRH4D28-100	10	100KHZ	128m	1.00	1.51
OWIRH4D28-120	12	100KHZ	131m	0.84	1.50
OWIRH4D28-150	15	100KHZ	149m	0.76	1.48
OWIRH4D28-180	18	100KHZ	166m	0.72	1.42
OWIRH4D28-220	22	100KHZ	235m	0.70	1.17
OWIRH4D28-270	27	100KHZ	261m	0.58	1.05
OWIRH4D28-330	33	100KHZ	378m	0.56	0.95
OWIRH4D28-390	39	100KHZ	383m	0.50	0.81
OWIRH4D28-470	47	100KHZ	587m	0.48	0.73
OWIRH4D28-560	56	100KHZ	624m	0.41	0.66
OWIRH4D28-680	68	100KHZ	699m	0.35	0.60
OWIRH4D28-820	82	100KHZ	914m	0.32	0.57
OWIRH4D28-101	100	100KHZ	1.02	0.29	0.51
OWIRH4D28-121	120	100KHZ	1.27	0.27	0.48
OWIRH4D28-151	150	100KHZ	1.35	0.24	0.46
OWIRH4D28-181	180	100KHZ	1.54	0.22	0.44

- 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.