



OWIRH4D18 TYPE

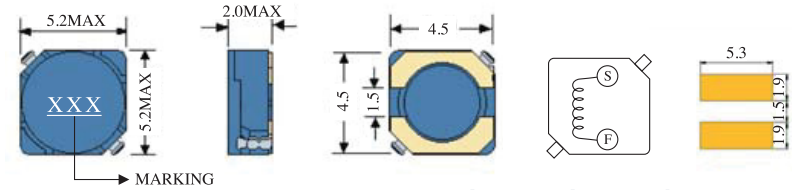


FEATURES

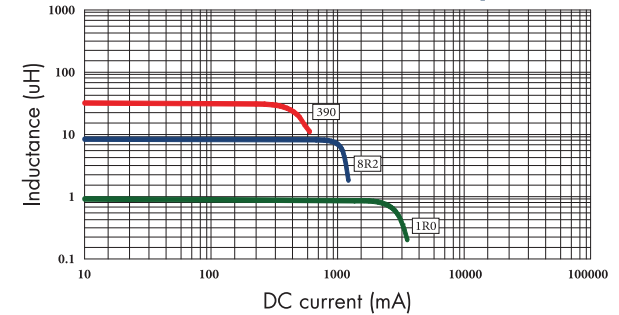
- 1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

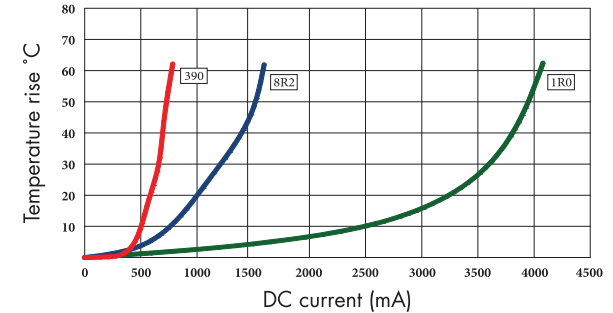
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



OWIRH4D18 Inductance decrease by current



OWIRH4D18 Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWIRH4D18 SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWIRH4D18-1R0	1.0	100KHZ	35m	1.72	3.60
OWIRH4D18-2R2	2.2	100KHZ	58m	1.32	2.70
OWIRH4D18-2R7	2.7	100KHZ	80m	1.28	2.40
OWIRH4D18-3R3	3.3	100KHZ	85m	1.04	2.10
OWIRH4D18-3R9	3.9	100KHZ	120m	0.88	1.79
OWIRH4D18-4R7	4.7	100KHZ	125m	0.84	1.70
OWIRH4D18-5R6	5.6	100KHZ	145m	0.80	1.35
OWIRH4D18-6R8	6.8	100KHZ	170m	0.76	1.28
OWIRH4D18-8R2	8.2	100KHZ	190m	0.68	1.10
OWIRH4D18-100	10	100KHZ	200m	0.61	1.08
OWIRH4D18-120	12	100KHZ	210m	0.56	1.00
OWIRH4D18-150	15	100KHZ	240m	0.50	0.95
OWIRH4D18-180	18	100KHZ	338m	0.48	0.90
OWIRH4D18-220	22	100KHZ	397m	0.41	0.80
OWIRH4D18-270	27	100KHZ	441m	0.35	0.72
OWIRH4D18-330	33	100KHZ	694m	0.32	0.66
OWIRH4D18-390	39	100KHZ	709m	0.30	0.59

- 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.