



OWIRH8D38 TYPE

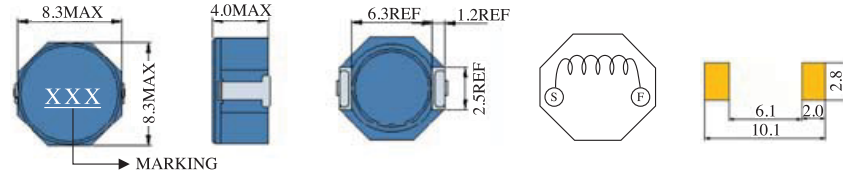


FEATURES

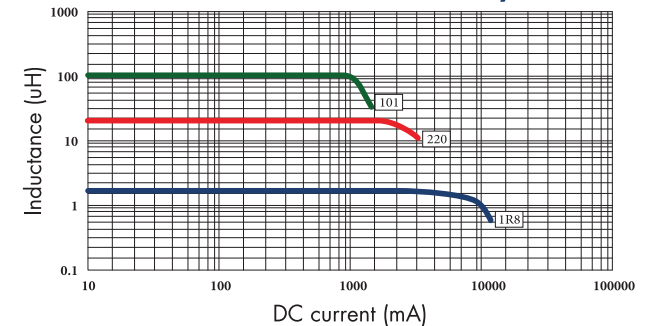
- 1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

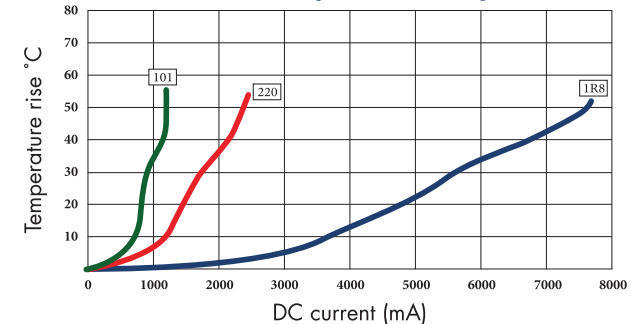
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



OWIRH8D38 Inductance decrease by current



OWIRH8D38 Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWIRH8D38 SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWIRH8D38-1R8	1.8	100KHZ	15.6m	7.00	6.20
OWIRH8D38-2R5	2.5	100KHZ	17.5m	6.50	5.22
OWIRH8D38-3R5	3.5	100KHZ	24m	5.00	4.40
OWIRH8D38-4R7	4.7	100KHZ	29m	4.60	4.00
OWIRH8D38-6R0	6.0	100KHZ	32m	4.20	3.50
OWIRH8D38-100	10	100KHZ	48m	3.00	2.60
OWIRH8D38-120	12	100KHZ	55m	2.85	2.47
OWIRH8D38-150	15	100KHZ	67m	2.75	2.30
OWIRH8D38-180	18	100KHZ	80m	2.50	2.07
OWIRH8D38-220	22	100KHZ	105m	2.30	1.75
OWIRH8D38-270	27	100KHZ	120m	2.00	1.66
OWIRH8D38-330	33	100KHZ	157m	1.75	1.52
OWIRH8D38-390	39	100KHZ	165m	1.60	1.43
OWIRH8D38-470	47	100KHZ	189m	1.52	1.35
OWIRH8D38-560	56	100KHZ	215m	1.40	1.20
OWIRH8D38-680	68	100KHZ	290m	1.30	1.10
OWIRH8D38-820	82	100KHZ	320m	1.20	0.99
OWIRH8D38-101	100	100KHZ	410m	1.05	0.88

- 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.