



OWIRH8D38 TYPE

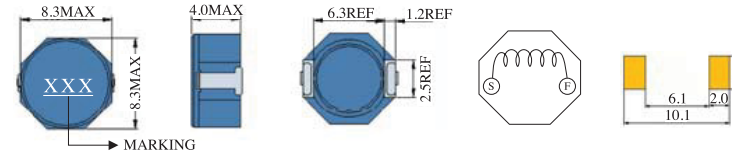


FEATURES

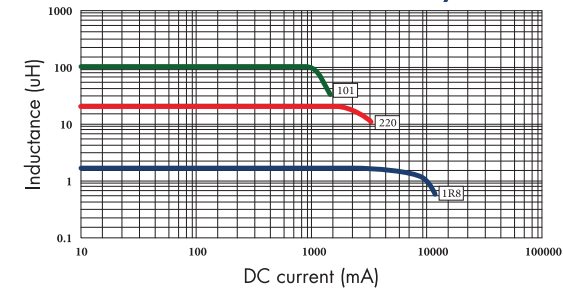
1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

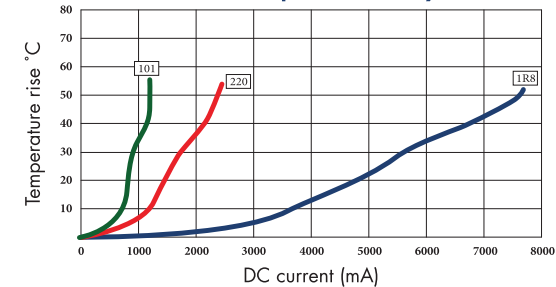
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



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

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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 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.