



## OWIRH6D38 TYPE

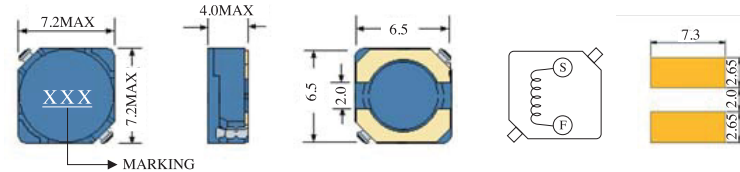


### FEATURES

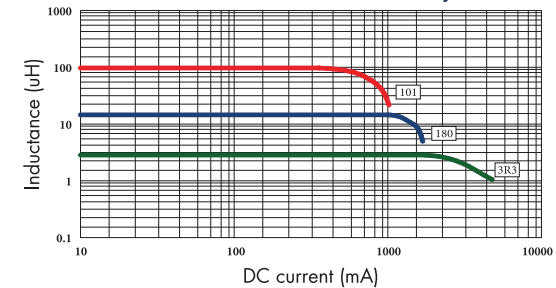
1. Various high power inductors are superior to be high saturation for surface mounting.

### APPLICATIONS

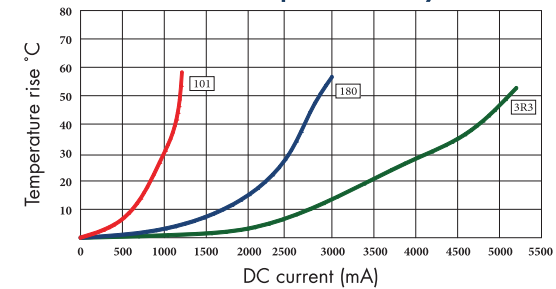
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



OWIRH6D38 Inductance decrease by current



OWIRH6D38 Temperature rise by current



## ELECTRICAL CHARACTERISTICS FOR OWIRH6D38 SERIES

Part Number	Inductance (uH) <sup>(1)</sup>	Test Frequency	DC Resistance (Ω MAX) <sup>(2)</sup>	Saturation Current (A) <sup>(3)</sup>	Temperature Current (A) <sup>(4)</sup>
OWIRH6D38-3R3	3.3	10KHZ	23m	3.50	4.00
OWIRH6D38-5R0	5.0	10KHZ	26m	2.90	3.80
OWIRH6D38-6R2	6.2	10KHZ	27m	2.50	3.60
OWIRH6D38-7R4	7.4	10KHZ	31m	2.30	3.50
OWIRH6D38-8R7	8.7	10KHZ	34m	2.20	3.33
OWIRH6D38-100	10	10KHZ	38m	2.00	3.20
OWIRH6D38-120	12	10KHZ	53m	1.70	2.88
OWIRH6D38-150	15	10KHZ	57m	1.60	2.59
OWIRH6D38-180	18	10KHZ	92m	1.50	2.43
OWIRH6D38-220	22	10KHZ	96m	1.30	2.18
OWIRH6D38-270	27	10KHZ	109m	1.20	1.96
OWIRH6D38-330	33	10KHZ	124m	1.10	1.76
OWIRH6D38-390	39	10KHZ	138m	1.00	1.67
OWIRH6D38-470	47	10KHZ	155m	0.95	1.50
OWIRH6D38-560	56	10KHZ	202m	0.85	1.35
OWIRH6D38-680	68	10KHZ	234m	0.75	1.21
OWIRH6D38-820	82	10KHZ	324m	0.70	1.08
OWIRH6D38-101	100	10KHZ	358m	0.65	0.97

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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.