



### OWIRH103R TYPE

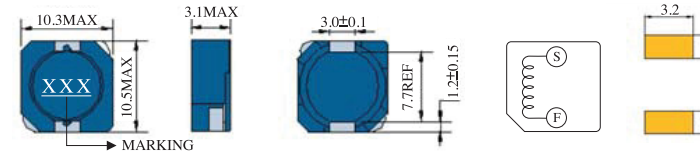


#### FEATURES

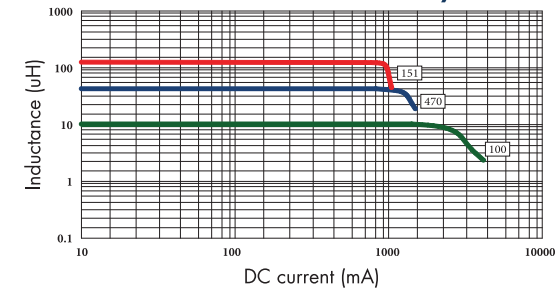
1. Various high power inductors are superior to be high saturation for surface mounting.

#### APPLICATIONS

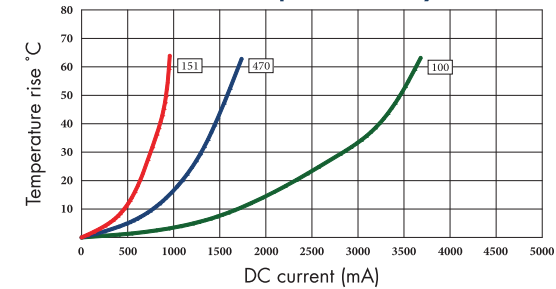
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



**OWIRH103R Inductance decrease by current**



**OWIRH103R Temperature rise by current**



### ELECTRICAL CHARACTERISTICS FOR OWIRH103R 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>
OWIRH103R-100	10	100KHZ	58m	2.70	2.75
OWIRH103R-120	12	100KHZ	72m	2.25	2.48
OWIRH103R-150	15	100KHZ	86m	2.22	2.24
OWIRH103R-180	18	100KHZ	116m	1.90	2.00
OWIRH103R-220	22	100KHZ	145m	1.78	1.80
OWIRH103R-270	27	100KHZ	175m	1.63	1.62
OWIRH103R-330	33	100KHZ	213m	1.45	1.46
OWIRH103R-390	39	100KHZ	268m	1.32	1.32
OWIRH103R-470	47	100KHZ	298m	1.18	1.30
OWIRH103R-560	56	100KHZ	335m	1.10	1.08
OWIRH103R-680	68	100KHZ	451m	1.04	1.00
OWIRH103R-820	82	100KHZ	513m	0.94	0.98
OWIRH103R-101	100	100KHZ	700m	0.84	0.92
OWIRH103R-121	120	100KHZ	765m	0.76	0.88
OWIRH103R-151	150	100KHZ	876m	0.70	0.73

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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.