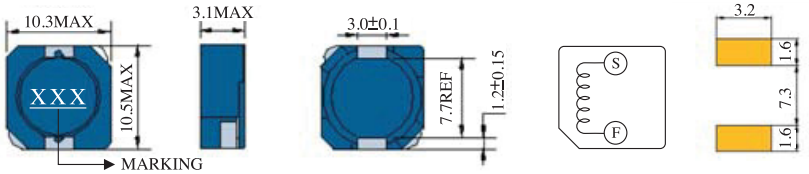
OWIRH103R TYPE

FEATURES

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

APPLICATIONS

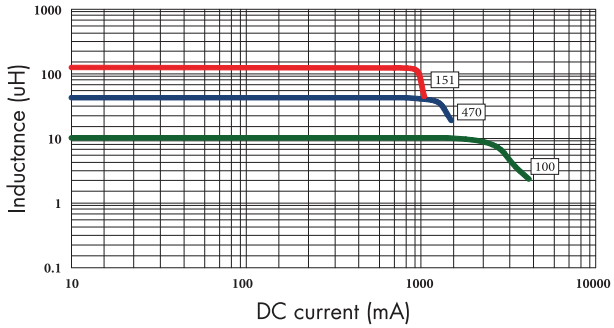
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



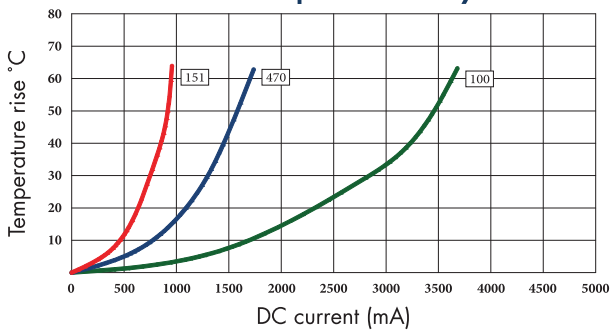
ELECTRICAL CHARACTERISTICS FOR OWIRH103R SERIES

Part Number	Inductance (uH)[1]	Test Frequency	DC Resistance (Ω MAX)[2]	Saturation Current (A)[3]	Temperature Current (A)[4]
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

OWIRH103R Inductance decrease by current



OWIRH103R Temperature rise by current



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.