



### OWI5040F TYPE

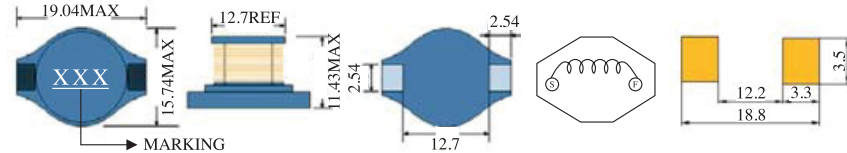


#### FEATURES

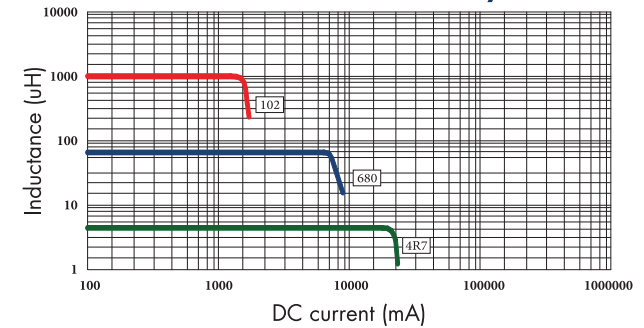
- 1. Various high power inductors are superior to be high saturation for surface mounting.

#### APPLICATIONS

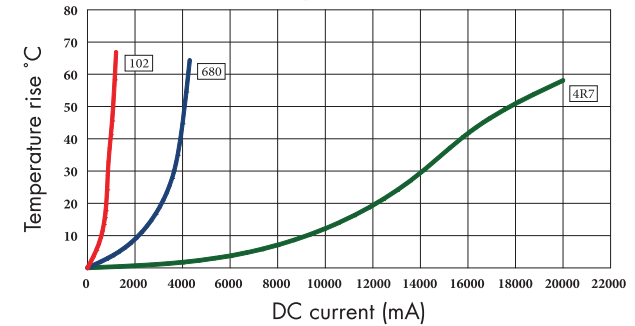
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



**OWI5040F Inductance decrease by current**



**OWI5040F Temperature rise by current**



### ELECTRICAL CHARACTERISTICS FOR OWI5040F 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>
OWI5040F-4R7	4.7	100KHZ	8.5m	24.0	14.0
OWI5040F-5R6	5.6	100KHZ	9.8m	20.3	12.5
OWI5040F-6R8	6.8	100KHZ	11.5m	18.5	11.2
OWI5040F-100	10	100KHZ	15.7m	16.7	9.50
OWI5040F-150	15	100KHZ	23.5m	13.0	8.00
OWI5040F-220	22	100KHZ	34.2m	10.6	6.50
OWI5040F-330	33	100KHZ	51.2m	8.6	5.00
OWI5040F-470	47	100KHZ	71.4m	7.0	4.00
OWI5040F-680	68	100KHZ	100m	6.5	3.20
OWI5040F-101	100	100KHZ	146m	5.0	2.80
OWI5040F-151	150	100KHZ	216m	4.0	2.30
OWI5040F-221	220	100KHZ	310m	3.3	1.80
OWI5040F-331	330	100KHZ	450m	2.7	1.50
OWI5040F-471	470	100KHZ	600m	2.2	1.20
OWI5040F-681	680	100KHZ	890m	1.9	1.00
OWI5040F-101	100	100KHZ	1280m	1.5	0.88

- 1. Inductance tested at 0.25V. Tolerance of inductance:±20%(M)
- 2. DCR test temp. limits 25 °C.
- 3. This indicates the value of current when the inductance is 10% 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.