



### OWI511MF TYPE

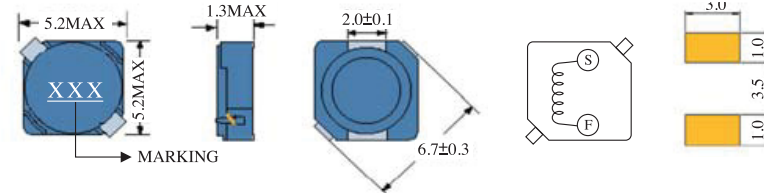


#### FEATURES

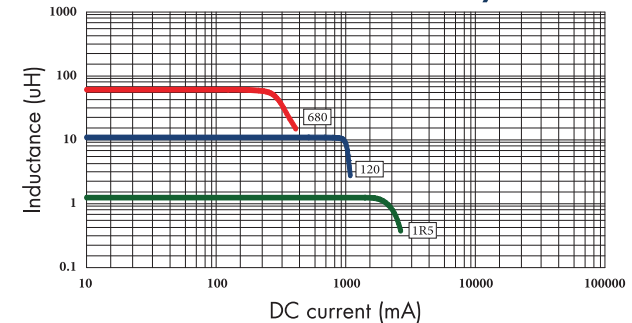
- 1. Various high power inductors are superior to be high saturation for surface mounting.

#### APPLICATIONS

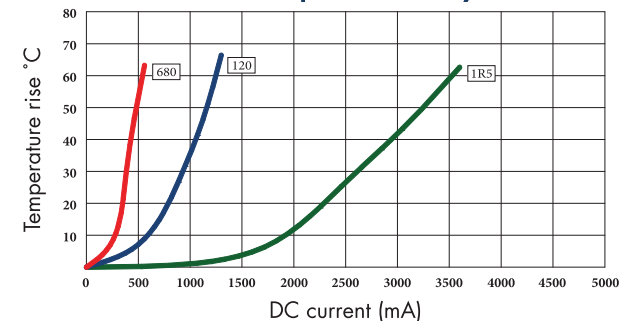
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



OWI511MF Inductance decrease by current



OWI511MF Temperature rise by current



### ELECTRICAL CHARACTERISTICS FOR OWI511MF 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>
OWI511MF-1R5	1.5	100KHZ	70m	1.60	2.50
OWI511MF-2R2	2.2	100KHZ	112m	1.38	2.20
OWI511MF-3R3	3.3	100KHZ	120m	1.09	1.80
OWI511MF-4R7	4.7	100KHZ	140m	0.90	1.51
OWI511MF-5R6	5.6	100KHZ	145m	0.83	1.25
OWI511MF-6R8	6.8	100KHZ	175m	0.71	1.15
OWI511MF-8R6	8.6	100KHZ	215m	0.63	1.00
OWI511MF-100	10	100KHZ	238m	0.59	0.96
OWI511MF-120	12	100KHZ	300m	0.56	0.92
OWI511MF-150	15	100KHZ	340m	0.50	0.86
OWI511MF-180	18	100KHZ	420m	0.42	0.80
OWI511MF-220	22	100KHZ	475m	0.40	0.76
OWI511MF-270	27	100KHZ	560m	0.32	0.70
OWI511MF-330	33	100KHZ	816m	0.30	0.58
OWI511MF-390	39	100KHZ	915m	0.25	0.52
OWI511MF-470	47	100KHZ	1.16	0.20	0.46
OWI511MF-560	56	100KHZ	1.32	0.18	0.42
OWI511MF-680	68	100KHZ	1.64	0.15	0.37

- 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.