



### OWI4010 TYPE

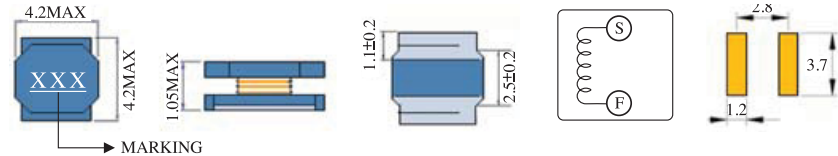


#### FEATURES

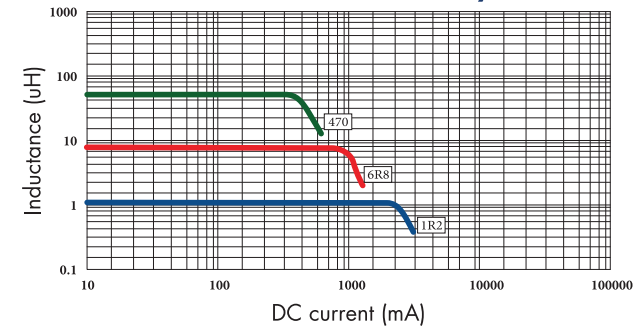
- 1. Various high power inductors are superior to be high saturation for surface mounting.

#### APPLICATIONS

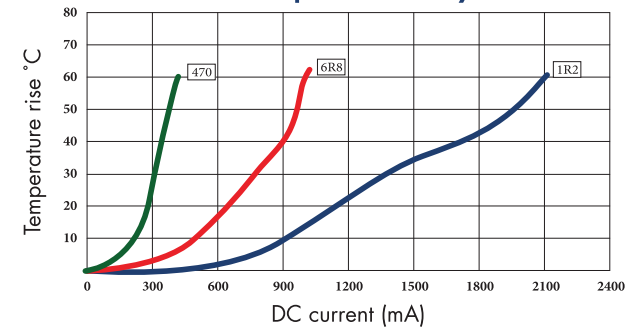
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



#### OWI4010 Inductance decrease by current



#### OWI4010 Temperature rise by current



### ELECTRICAL CHARACTERISTICS FOR OWI4010 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>
OWI4010-1R2	1.2	100KHZ	120m	1.80	1.50
OWI4010-2R2	2.2	100KHZ	180m	1.15	1.10
OWI4010-3R3	3.3	100KHZ	216m	1.10	1.00
OWI4010-4R7	4.7	100KHZ	270m	0.90	0.85
OWI4010-6R8	6.8	100KHZ	360m	0.74	0.78
OWI4010-100	10	100KHZ	640m	0.56	0.60
OWI4010-150	15	100KHZ	790m	0.47	0.50
OWI4010-220	22	100KHZ	1.20	0.36	0.40
OWI4010-330	33	100KHZ	1.84	0.28	0.34
OWI4010-470	47	100KHZ	2.28	0.24	0.29

1. Inductance tested at 0.25V. Tolerance of inductance: 1.2uH~2.2uH: ±30%(N) 3.3uH~47uH: ±20%(M)
2. DCR test temp. limits 25 °C.
3. This indicates the value of current when the inductance is 30% 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.