



OWI104B TYPE

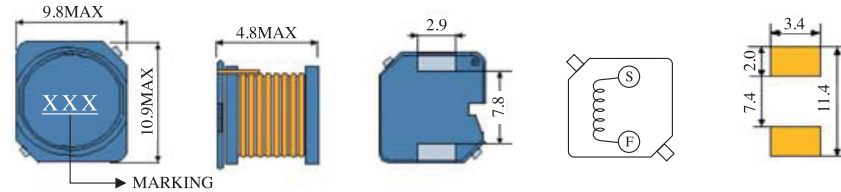


FEATURES

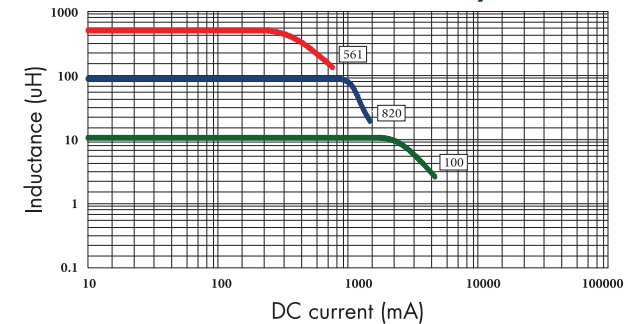
- 1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

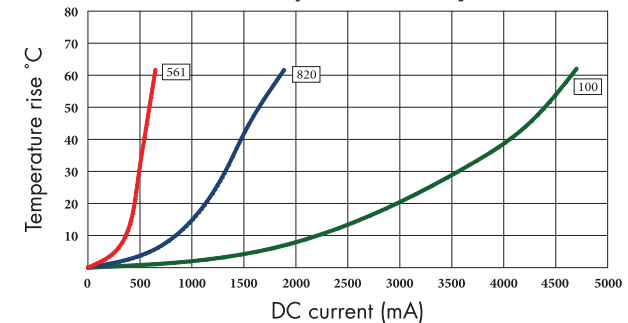
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



OWI104B Inductance decrease by current



OWI104B Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWI104B SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWI104B-100	10	2.52MHZ	53m	2.38	3.60
OWI104B-120	12	2.52MHZ	61m	2.13	3.20
OWI104B-150	15	2.52MHZ	70m	1.87	2.90
OWI104B-180	18	2.52MHZ	90m	1.73	2.70
OWI104B-220	22	2.52MHZ	100m	1.60	2.30
OWI104B-270	27	2.52MHZ	124m	1.44	2.10
OWI104B-330	33	2.52MHZ	140m	1.26	1.90
OWI104B-390	39	2.52MHZ	151m	1.20	1.80
OWI104B-470	47	2.52MHZ	195m	1.10	1.60
OWI104B-560	56	2.52MHZ	220m	1.01	1.55
OWI104B-680	68	2.52MHZ	260m	0.91	1.50
OWI104B-820	82	2.52MHZ	310m	0.85	1.30
OWI104B-101	100	1KHZ	344m	0.74	1.20
OWI104B-121	120	1KHZ	396m	0.69	1.08
OWI104B-151	150	1KHZ	554m	0.61	0.98
OWI104B-181	180	1KHZ	621m	0.56	0.88
OWI104B-221	220	1KHZ	721m	0.53	0.80
OWI104B-271	270	1KHZ	949m	0.45	0.74
OWI104B-331	330	1KHZ	1.100	0.42	0.64
OWI104B-391	390	1KHZ	1.245	0.38	0.54
OWI104B-471	470	1KHZ	1.526	0.35	0.50
OWI104B-561	560	1KHZ	1.904	0.32	0.48

- 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.