



OWI104 TYPE

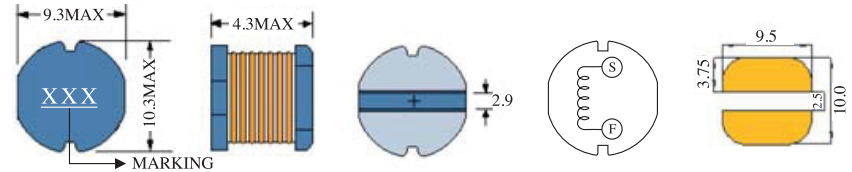


FEATURES

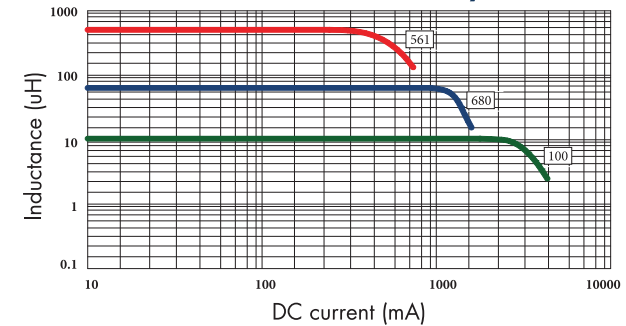
- 1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

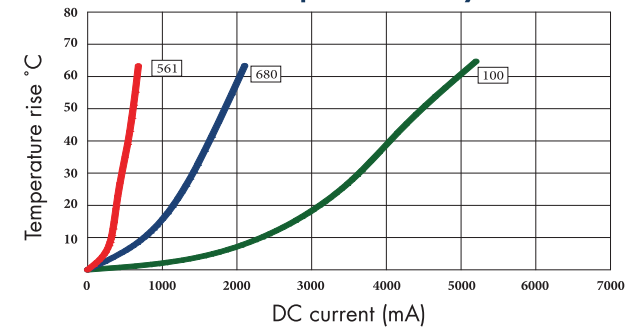
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



OWI104 Inductance decrease by current



OWI104 Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWI104 SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWI104-100	10	2.52MHZ	0.053	2.38	3.50
OWI104-120	12	2.52MHZ	0.061	2.13	3.10
OWI104-150	15	2.52MHZ	0.070	1.87	2.90
OWI104-180	18	2.52MHZ	0.081	1.73	2.70
OWI104-220	22	2.52MHZ	0.088	1.60	2.30
OWI104-270	27	2.52MHZ	0.100	1.44	2.05
OWI104-330	33	2.52MHZ	0.120	1.26	1.82
OWI104-390	39	2.52MHZ	0.151	1.20	1.68
OWI104-470	47	2.52MHZ	0.170	1.10	1.50
OWI104-560	56	2.52MHZ	0.199	1.01	1.40
OWI104-680	68	2.52MHZ	0.223	0.91	1.30
OWI104-820	82	2.52MHZ	0.252	0.85	1.18
OWI104-101	100	1KHZ	0.344	0.74	1.12
OWI104-121	120	1KHZ	0.396	0.69	1.05
OWI104-151	150	1KHZ	0.544	0.61	0.98
OWI104-181	180	1KHZ	0.621	0.56	0.90
OWI104-221	220	1KHZ	0.721	0.53	0.84
OWI104-271	270	1KHZ	0.949	0.45	0.74
OWI104-331	330	1KHZ	1.100	0.42	0.64
OWI104-391	390	1KHZ	1.245	0.38	0.52
OWI104-471	470	1KHZ	1.526	0.35	0.46
OWI104-561	560	1KHZ	1.904	0.32	0.43

- 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.