



OWI105B TYPE

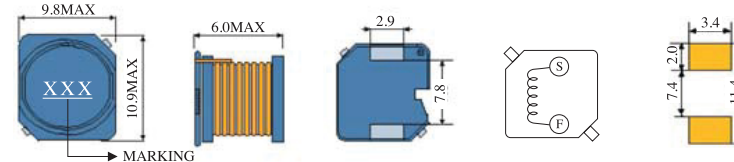


FEATURES

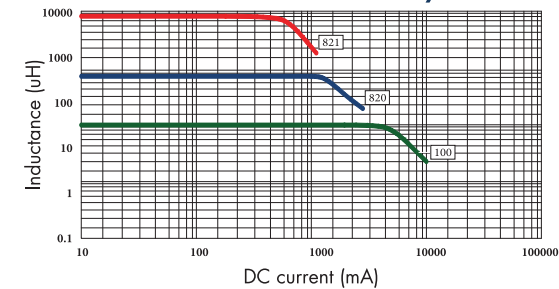
1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

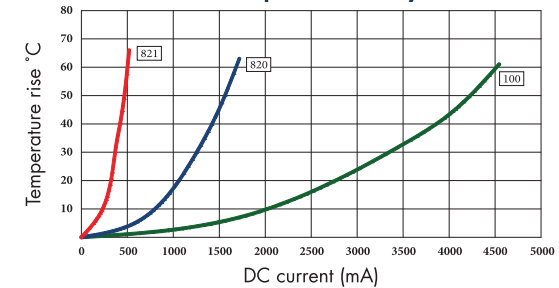
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



OWI105B Inductance decrease by current



OWI105B Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWI105B SERIES

Part Number	Inductance (uH) ⁽¹⁾	Test Frequency	DC Resistance (Ω MAX) ⁽²⁾	Saturation Current (A) ⁽³⁾	Temperature Current (A) ⁽⁴⁾
OWI105B-100	10	2.52MHZ	60m	2.60	3.50
OWI105B-120	12	2.52MHZ	70m	2.45	3.20
OWI105B-150	15	2.52MHZ	80m	2.27	2.90
OWI105B-180	18	2.52MHZ	90m	2.15	2.60
OWI105B-220	22	2.52MHZ	100m	1.95	2.40
OWI105B-270	27	2.52MHZ	136m	1.76	2.10
OWI105B-330	33	2.52MHZ	160m	1.50	1.90
OWI105B-390	39	2.52MHZ	175m	1.37	1.80
OWI105B-470	47	2.52MHZ	210m	1.28	1.60
OWI105B-560	56	2.52MHZ	250m	1.17	1.45
OWI105B-680	68	2.52MHZ	285m	1.11	1.35
OWI105B-820	82	2.52MHZ	333m	1.00	1.30
OWI105B-101	100	1KHZ	370m	0.97	1.20
OWI105B-121	120	1KHZ	430m	0.89	1.08
OWI105B-151	150	1KHZ	550m	0.78	0.96
OWI105B-181	180	1KHZ	630m	0.72	0.86
OWI105B-221	220	1KHZ	730m	0.66	0.82
OWI105B-271	270	1KHZ	970m	0.57	0.72
OWI105B-331	330	1KHZ	1.26	0.52	0.66
OWI105B-391	390	1KHZ	1.30	0.48	0.58
OWI105B-471	470	1KHZ	1.70	0.42	0.52
OWI105B-561	560	1KHZ	1.90	0.33	0.47
OWI105B-681	680	1KHZ	2.60	0.28	0.43
OWI105B-821	820	1KHZ	3.10	0.24	0.39

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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.