



## OWI54B TYPE

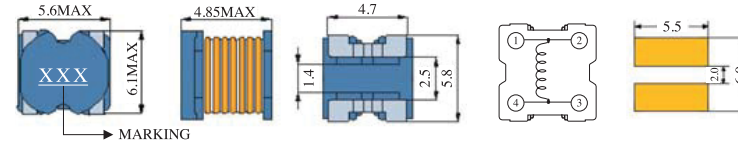


### FEATURES

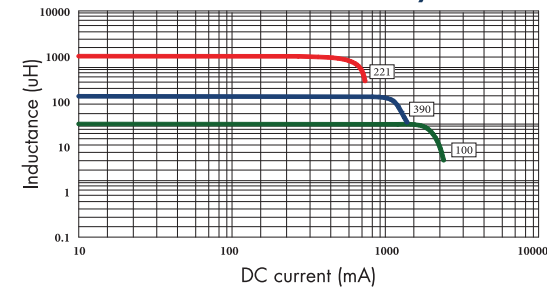
1. Various high power inductors are superior to be high saturation for surface mounting.

### APPLICATIONS

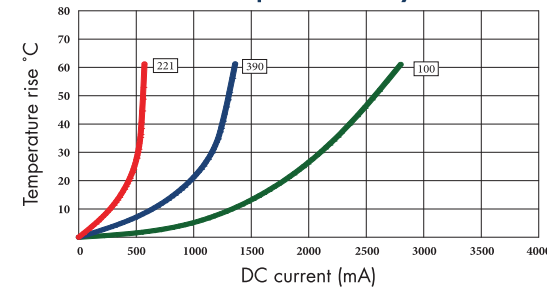
1. Power supply for VTR, OA equipment.
2. LCD television set, notebook PC.
3. Portable communication, equipments.
4. DC/DC converters, etc.



OWI54B Inductance decrease by current



OWI54B Temperature rise by current



## ELECTRICAL CHARACTERISTICS FOR OWI54B 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>
OWI54B-100	10	2.52MHZ	0.10	1.44	2.00
OWI54B-120	12	2.52MHZ	0.12	1.40	1.90
OWI54B-150	15	2.52MHZ	0.14	1.30	1.80
OWI54B-180	18	2.52MHZ	0.15	1.23	1.70
OWI54B-220	22	2.52MHZ	0.18	1.11	1.60
OWI54B-270	27	2.52MHZ	0.20	0.97	1.53
OWI54B-330	33	2.52MHZ	0.23	0.88	1.40
OWI54B-390	39	2.52MHZ	0.32	0.80	1.20
OWI54B-470	47	2.52MHZ	0.37	0.72	1.00
OWI54B-560	56	2.52MHZ	0.42	0.68	0.82
OWI54B-680	68	2.52MHZ	0.46	0.61	0.78
OWI54B-820	82	2.52MHZ	0.60	0.58	0.70
OWI54B-101	100	1KHZ	0.70	0.52	0.65
OWI54B-121	120	1KHZ	0.93	0.48	0.64
OWI54B-151	150	1KHZ	1.10	0.40	0.60
OWI54B-181	180	1KHZ	1.38	0.38	0.54
OWI54B-221	220	1KHZ	1.57	0.35	0.49

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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.