



OWI54B TYPE

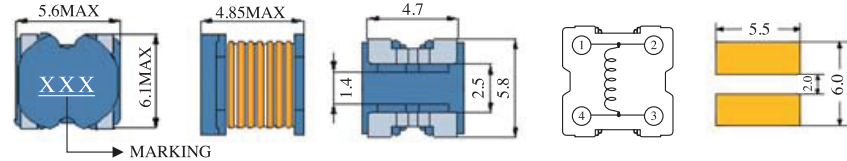


FEATURES

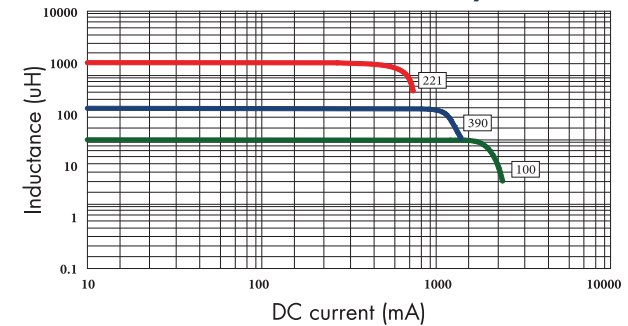
- 1. Various high power inductors are superior to be high saturation for surface mounting.

APPLICATIONS

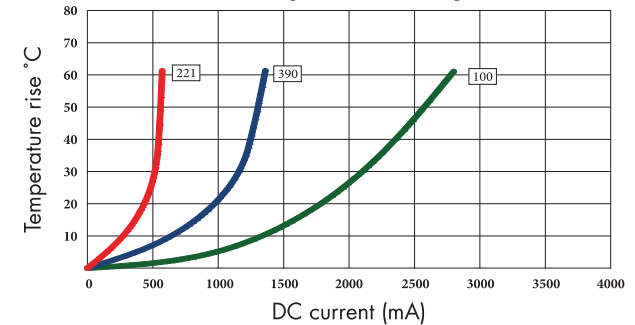
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



OWI54B Inductance decrease by current



OWI54B Temperature rise by current



ELECTRICAL CHARACTERISTICS FOR OWI54B SERIES

| Part Number | Inductance (uH) ⁽¹⁾ | Test Frequency | DC Resistance (Ω MAX) ⁽²⁾ | Saturation Current (A) ⁽³⁾ | Temperature Current (A) ⁽⁴⁾ |
|-------------|--------------------------------|----------------|--------------------------------------|---------------------------------------|--|
| 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.