



OWI75 TYPE

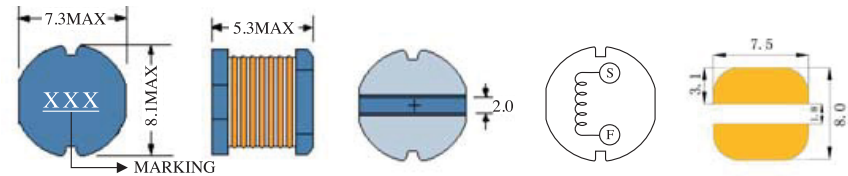


FEATURES

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

APPLICATIONS

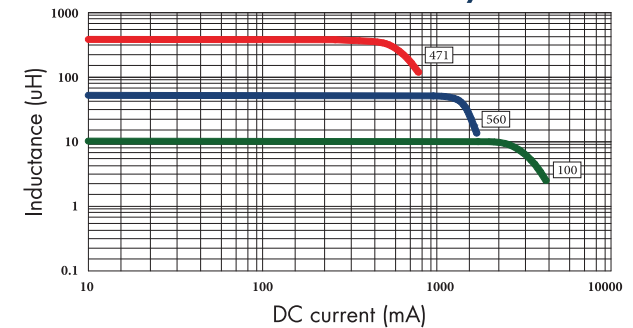
- 1. Power supply for VTR, OA equipment.
- 2. LCD television set, notebook PC.
- 3. Portable communication, equipments.
- 4. DC/DC converters, etc.



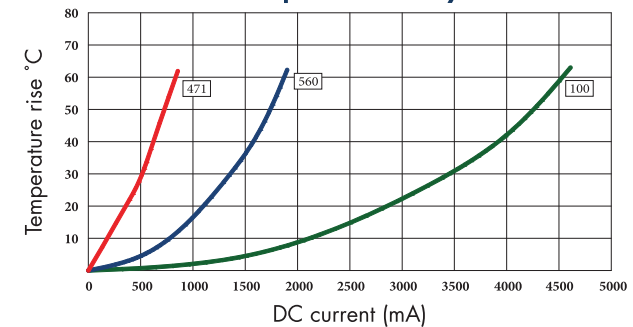
ELECTRICAL CHARACTERISTICS FOR OWI75 SERIES

| Part Number | Inductance (uH) ⁽¹⁾ | Test Frequency | DC Resistance (Ω MAX) ⁽²⁾ | Saturation Current (A) ⁽³⁾ | Temperature Current (A) ⁽⁴⁾ |
|-------------|--------------------------------|----------------|--------------------------------------|---------------------------------------|--|
| OWI75-100 | 10 | 2.52MHZ | 0.07 | 2.30 | 3.20 |
| OWI75-120 | 12 | 2.52MHZ | 0.08 | 2.00 | 3.00 |
| OWI75-150 | 15 | 2.52MHZ | 0.09 | 1.80 | 2.75 |
| OWI75-180 | 18 | 2.52MHZ | 0.10 | 1.60 | 2.40 |
| OWI75-220 | 22 | 2.52MHZ | 0.11 | 1.50 | 2.10 |
| OWI75-270 | 27 | 2.52MHZ | 0.12 | 1.30 | 1.85 |
| OWI75-330 | 33 | 2.52MHZ | 0.15 | 1.20 | 1.70 |
| OWI75-390 | 39 | 2.52MHZ | 0.16 | 1.10 | 1.55 |
| OWI75-470 | 47 | 2.52MHZ | 0.18 | 1.10 | 1.47 |
| OWI75-560 | 56 | 2.52MHZ | 0.24 | 0.94 | 1.30 |
| OWI75-680 | 68 | 2.52MHZ | 0.28 | 0.85 | 1.12 |
| OWI75-820 | 82 | 2.52MHZ | 0.37 | 0.78 | 1.03 |
| OWI75-101 | 100 | 1KHZ | 0.43 | 0.72 | 0.90 |
| OWI75-121 | 120 | 1KHZ | 0.47 | 0.66 | 0.86 |
| OWI75-151 | 150 | 1KHZ | 0.64 | 0.58 | 0.80 |
| OWI75-181 | 180 | 1KHZ | 0.71 | 0.51 | 0.76 |
| OWI75-221 | 220 | 1KHZ | 0.96 | 0.49 | 0.68 |
| OWI75-271 | 270 | 1KHZ | 1.11 | 0.42 | 0.60 |
| OWI75-331 | 330 | 1KHZ | 1.26 | 0.40 | 0.52 |
| OWI75-391 | 390 | 1KHZ | 1.77 | 0.36 | 0.50 |
| OWI75-471 | 470 | 1KHZ | 1.96 | 0.34 | 0.46 |

OWI75 Inductance decrease by current



OWI75 Temperature rise by current



- 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.