OWIEP 125U TYPE



FEATURES

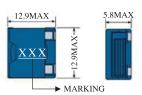
 Various high power inductors are superior to be high saturation for surface mounting.

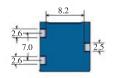
APPLICATIONS

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

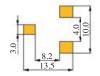
ELECTRICAL CHARACTERISTICS FOR OWIEP125U SERIES

| Part Number | Inductance (uH) ⁽¹⁾ | Test Frequency | DC Resistance (Ω MAX) ⁽²⁾ | Saturation Current (A) ⁽³⁾ | Temperature Current (A) ⁽⁴⁾ |
|---------------|-----------------------------------|----------------|---|--|---|
| OWIEP125U-R30 | 0.3 | 100KHZ | 2.5m | 35.0 | 23.5 |
| OWIEP125U-R60 | 0.6 | 100KHZ | 2.5m | 30.0 | 18.8 |
| OWIEP125U-R80 | 0.8 | 100KHZ | 2.5m | 27.2 | 1 <i>7</i> .8 |
| OWIEP125U-1R4 | 1.4 | 100KHZ | 3.8m | 20.8 | 14.0 |
| OWIEP125U-2R2 | 2.2 | 100KHZ | 5.4m | 14.8 | 13.5 |
| OWIEP125U-3R2 | 3.2 | 100KHZ | 8.0m | 12.8 | 13.0 |
| OWIEP125U-4R3 | 4.3 | 100KHZ | 11.4m | 11.0 | 10.5 |
| OWIEP125U-5R6 | 5.6 | 100KHZ | 13.5m | 9.5 | 9.00 |
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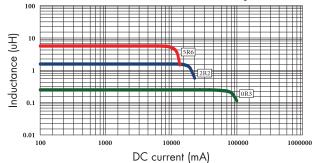




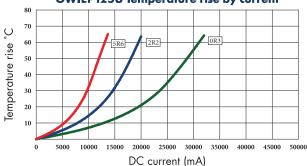




OWIEP125U Inductance decrease by current



OWIEP125U 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 25% lower than its initial value at D.C. superposition or D.C. current.
- 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.