

OWI0810F-802

SMD Power inductor



Description

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Features

RoHS, Halogen Free and REACH compliance
 Unshielded power inductor
 Various package sizes and wide inductance range.
 SDO family is designed for low resistance and high current

Applications

Power supply for VTR, OA equipment
 LCD television set, notebook PC
 Portable communication, equipment
 DC/DC converters, etc.

General Specifications

| | |
|--|------------------------------------|
| Test Voltage | 0.1V |
| Parameters Test Temp | 20°C |
| Operation Temp (Including temperature Rise) | -40°C to +125°C |
| Storage Temp | 0 to 40°C |
| Storage Humidity | <70% RH |
| Resistance to Soldering Heat | 260°C for 10 sec |
| Rated Current | L drops off 10% typ at Isat |
| Temperature Rise | 40°C typ. at Irms |

| Inductance | Ltol. | Test freq. | DCR [mΩ] | Isat [A] | Irms [A] | Irated [mA] | Idc max [mA] | Q (min) | SRF[MHz] |
|------------|---------------|------------|----------|----------|----------|-------------|--------------|---------|----------|
| 8200.00 uH | K, L, M, P, N | 100 kHz | 17.00 | 0.15 | 0,04 | | | | 0,2 |

When ordering please specify tolerance code Tolerance: K=±10%, L=±15%, M=±20%, P=±25%, N=±30%

Shape and dimensions [mm]

| A | B | C | D | E | F | G | H | I | J | Shape |
|-------|------|-------|------|------|------|---|------|------|------|--------|
| 13.21 | 9.40 | 11.43 | 2.54 | 2.54 | 7.62 | | 2.79 | 2.92 | 7.37 | Fig. 2 |
| Max | Max | Max | Ref | Ref | Ref | | Ref | Ref | Ref | |

