

OWINR6045-1R5

SMD Power inductor



Description

Ferrite core, semi-shielded, magnetic epoxy

Features

RoHS, Halogen Free and REACH Compliance
 Magnetic resin shielded construction reduces buzz noise to ultra-low levels
 Metallization on ferrite core results in excellent shock resistance and damage-free durability
 30% higher current rating than conventional inductors of equal size
 Takes up less PCB real estate and saves power

Applications

Flat-screen TVs, blue-ray disc recorders, set top boxes
 Cameras and smart phones
 Portable gaming devices, GPS, multimedia devices, Telecom base stations, VR/AR-glasses etc.

General Specifications

| | |
|---|-----------------------------|
| Test Voltage | 1.0V |
| Parameters Test Temp | 20°C |
| Operation Temp (Including temperature Rise) | -40 to +125°C |
| Storage Temp | 0 to 40°C |
| Storage Humidity | |
| Resistance to Soldering Heat | 260° for 10 sec |
| Rated Current | L drops off 30% typ at Isat |
| Temperature Rise | 40° typ. at Irms |

| Inductance [μ H] | Ltol. | Test freq. | DCR [$m\Omega$] | Isat [A] | Irms [A] | Irated [mA] | Idc max [mA] | Q (min) | SRF[MHz] |
|-----------------------|---------|------------|-------------------|----------|----------|-------------|--------------|---------|----------|
| 1.50 | K, M, N | 100kHz | 16.00 | 8.80 | 4,95 | | | | 65 |

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

Shape and dimensions [mm]

| A | B | C | D | E | F | G | H | I | J | Shape |
|------|------|------|------|-----|-----|---|-----|------|-----|-------|
| 6.00 | 6.00 | 4.50 | 1.65 | 5 | 2.7 | | 5.3 | 2.05 | 2.4 | Fig.2 |
| ±0.2 | ±0.2 | Max | Ref | Ref | Ref | | Ref | Ref | Ref | |



