

OWIFNR252012

SMD Power inductor



Description

Ferrite core, semi-shielded magnetic epoxy

Features

RoHS, Halogen Free and REACH Compliance
 Shielded and miniature design
 Shielded power inductor
 Ultra-high saturation current

Applications

Smartphones, tablets
 Wearable devices, DSC, camcorders
 DC/DC converters etc.

General Specifications

| | |
|--|-----------------------------|
| Test Voltage | 1.0V |
| Parameters Test Temp | 25°C |
| Operation Temp (Including temperature Rise) | -40 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 30% typ at Isat |
| Temperature Rise | 40°C typ. at Irms |

| Product ID | DCR [mohm] | Isat [A] | Irms [A] | Irated [mA] | Idc max [mA] | Q (min) | SRF [MHz] |
|----------------------------------|------------|----------|----------|-------------|--------------|---------|-----------|
| OWIFNR252012-100 | 500.00 | 1.10 | 0,85 | | | | |
| OWIFNR252012-6R8 | 366.00 | 1.15 | 0,95 | | | | |
| OWIFNR252012-4R7 | 260.00 | 1.60 | 1,25 | | | | |
| OWIFNR252012-3R3 | 163.00 | 1.70 | 1,8 | | | | |
| OWIFNR252012-2R2 | 120.00 | 2.60 | 1,9 | | | | |
| OWIFNR252012-1R5 | 72.00 | 2.90 | 2,4 | | | | |
| OWIFNR252012-1R0 | 54.00 | 3.10 | 3 | | | | |
| OWIFNR252012-R68 | 43.00 | 3.90 | 3,15 | | | | |
| OWIFNR252012-R47 | 35.00 | 5.10 | 3,45 | | | | |
| OWIFNR252012-R33 | 28.00 | 6.00 | 3,7 | | | | |
| OWIFNR252012-R24 | 23.00 | 7.00 | 4,05 | | | | |

Shape and dimensions [mm]

| A | B | C | D | E | F | G | H | I | J | Shape |
|-----------|-----------|------|------|---|---|---|-----|------|-----|-------|
| 2.00 | 2.50 | 1.25 | 0.85 | | | | 2.4 | 1.05 | 0.8 | |
| +0.3 -0.1 | +0.3 -0.1 | Max | Ref | | | | Ref | Ref | Ref | |



