

# OWIFNR4012-R33

## 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                                   | 0.25V                         |
| Parameters Test Temp                           | 25°C                          |
| Operation Temp<br>(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 I <sub>rms</sub> |

| Inductance [μH] | Ltol.   | Test freq. | DCR [mΩ] | Isat [A] | I <sub>rms</sub> [A] | I <sub>rated</sub> [mA] | I <sub>dc max</sub> [mA] | Q (min) | SRF[MHz] |
|-----------------|---------|------------|----------|----------|----------------------|-------------------------|--------------------------|---------|----------|
| 0.33            | M, P, N | 100kHz     | 32.00    | 10.30    | 4,3                  |                         |                          |         | 113      |

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

## Shape and dimensions [mm]

| A    | B    | C    | D   | E   | F   | G | H   | I   | J   | Shape |
|------|------|------|-----|-----|-----|---|-----|-----|-----|-------|
| 4.00 | 4.00 | 1.35 | 1.3 | 3.5 | 1.4 |   | 3.8 | 1.7 | 1.1 |       |
| ±0.2 | ±0.2 | Max  | Ref | Ref | Ref |   | Ref | Ref | Ref |       |

