

# OWIFNR4012-R47

## 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 (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	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]
0.47 uH	M, P, N	100kHz	41.00	9.10	3,8				96

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	

