

# OWIFNR252012-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	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	<b>L drops off 30% typ at Isat</b>
Temperature Rise	40°C typ. at Isms

Inductance [ $\mu$ H]	Ltol.	Test freq.	DCR [ $m\Omega$ ]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF[MHz]
0.47	M, P, N	1MHz	35.00	5.10	3,45				

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
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	

