

OWIFNR3012-1R0

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 _{rms}

Inductance	Ltol.	Test freq.	DCR [mΩ]	Isat [A]	I _{rms} [A]	I _{rated} [mA]	I _{dc max} [mA]	Q (min)	SRF[MHz]
1.00 uH	M, P, N	100kHz	58.00	4.20	2,7				51

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
3.00	3.00	1.35	1.13	2.6	0.82		2.9	1.5	0.5	
±0.2	±0.2	Max	Ref	Ref	Ref		Ref	Ref	Ref	

