

OWIFNR252010-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	L drops off 30% typ at Isat
Temperature Rise	40°C typ. at Irms

Inductance	Ltol.	Test freq.	DCR [mΩ]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF[MHz]
0.47 uH	M, P, N	1MHz	45.00	4.90	3,2				

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	1.10	0.85				2.4	1.05	0.8	
+0.3 -0.1	+0.3 -0.1	Max	Ref				Ref	Ref	Ref	

