

OWIHN201610-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
 large 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	-40 to +125°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 [μ 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	53.00	2.10	2,2				

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
1.60	2.00	1.05	0.6				1.8	0.8	0.8	
+0.35 -0.1	+0.3 -0.1	Max	Ref				Ref	Ref	Ref	

