

OWIMNR201610-R47

SMD power inductor



Description

Molded series with Alloy metal powder

Features

RoHS, Halogen Free and REACH Compliant
 High saturation current realized by material properties and structure design
 Low DC resistance to achieve high conversion efficiency and lower temperature rise
 Magnetically shielded structure to accomplish high resolution in EMC protection

Applications

Typical applications: Small portable DC to DC convertes
 Smart phones, tablets
 Power supply modules with slim form factor
 General DC/DC converters etc.

General Specifications

Test Voltage	25°C
Parameters Test Temp	-40 to +125°C
Operation Temp (Including temperature Rise)	0 to 40°C
Storage Temp	<70% RH
Storage Humidity	260°C for 10 sec
Resistance to Soldering Heat	L drops off 30% typ at Isat
Rated Current	40°C typ. at Irms
Temperature Rise	

Inductance	Ltol.	Test freq.	DCR [mΩ]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF[MHz]
0.47 uH	M, N	1 MHz	40.00	4.00	3,15				

When ordering, please specify tolerance code. Tolerance: M=±20%, N=±30%

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
2.00	1.60	1.00	0.5				1.6	0.55	0.9	
±0.2	±0.2	Max	±0.3				Ref	Ref	Ref	



