

OWIMNR201610

Miniature molded type



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.

Characteristics

Test Voltage	
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

Product ID	DCR [mohm]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF [MHz]
OWIMNR201610-R24	21.00	5.05	4,5				
OWIMNR201610-R33	29.00	4.50	3,69				
OWIMNR201610-R47	40.00	4.00	3,15				
OWIMNR201610-R68	49.00	3.33	3,06				
OWIMNR201610-1R0	69.00	2.61	2,26				
OWIMNR201610-1R5	129.00	2.25	1,81				
OWIMNR201610-2R2	150.00	1.71	1,5				

Shape and dimensions [mm]

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

