

# OWIMNR252012

## 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 (Incl temp 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	<b>L drops off 30% typ at Isat</b>
Temperature rise	40°C typ. at Irms

Product ID	Inductance [uH]	DCR [mOhm]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF [MHz]	Samples
<a href="#">OWIMNR252012-R47</a>	0.47	25.00	5.00	4.18					<a href="#">Request samples</a>
<a href="#">OWIMNR252012-R68</a>	0.68	35.00	5.00	3.36					<a href="#">Request samples</a>
<a href="#">OWIMNR252012-1R0</a>	1.00	49.00	4.00	3.18					<a href="#">Request samples</a>
<a href="#">OWIMNR252012-1R5</a>	1.50	77.00	3.00	2.27					<a href="#">Request samples</a>
<a href="#">OWIMNR252012-2R2</a>	2.20	98.00	3.00	2.06					<a href="#">Request samples</a>
<a href="#">OWIMNR252012-3R3</a>	3.30	150.00	2.00	2.00					<a href="#">Request samples</a>
<a href="#">OWIMNR252012-4R7</a>	4.70	235.00	2.00	1.40					<a href="#">Request samples</a>

## Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
2.50	2.00	1.20	0.6				2	0.8	1.2	
±0.2	±0.2	Max	±0.3				Ref	Ref	Ref	

