

# OWIHN252010-1R0

## 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	<b>1.0V</b>
Parameters Test Temp	<b>25°C</b>
Operation Temp (Including temperature Rise)	<b>-40 to +125°C</b>
Storage Temp	<b>-40 to +125°C</b>
Storage Humidity	<b>&lt;70% RH</b>
Resistance to Soldering Heat	<b>260°C for 10 sec</b>
Rated Current	<b>L drops off 30% typ at Isat</b>
Temperature Rise	<b>40°C typ. at Irms</b>

Inductance	Ltol.	Test freq.	DCR [mΩ]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF[MHz]
1.00 uH	M, P, N	1MHz	82.00	1.80	1,8				

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	1.05	0.8				2.4	1.05	0.8	
+0.35 -0.1	+0.3 -0.1	Max	Ref				Ref	Ref	Ref	

