

# OWIHPM0520-R82

## Composite injection mold inductor



### Description

Composite injection mold inductor

### Features

Excellent current handling  
 Exceptionally low DCR  
 Soft saturation  
 Composite construction minimizes audible buzzing.  
 Tin silver over copper terminations  
 Composite material.

### Applications

Perfect for VRM /VRD applications.

### General Specifications

Test Voltage	1.0V
Parameters Test Temp	25°C
Operation Temp (Including temperature Rise)	-55°C to +150°C
Storage Temp	0 to 40°C
Storage Humidity	10% to 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

Inductance [ $\mu$ H]	Ltol.	Test freq.	DCR [ $m\Omega$ ]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF[MHz]
0.82	N, P, M	100 kHz	12.80	12.60	11,8				

When ordering please specify tolerance code Tolerance: N= $\pm$ 30%, P= $\pm$ 25%, M= $\pm$ 20%

## Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
5.50	5.50	1.90	4,3	1,1	2,3		4,7	1,25	2	
$\pm$ 0.20	$\pm$ 0.20	$\pm$ 0.20	$\pm$ 0.30	$\pm$ 0.30	$\pm$ 0.30		Ref	Ref	Ref	

