

# OWIHP0530M

## SMD power inductor



### Description

Molded series with Alloy metal powder

### Features

High rated current  
 Frequency up to 3 MHz  
 125 deg. maximum total operation temperature  
 Low core loss  
 Ultra low buzz noise due to molding construction  
 Halogen Free & ROHS compliant

### Applications

Laptops and PCs  
 Switch and servers  
 Base stations  
 DC/DC converters  
 Battery powered devices  
 SSD modules

### General Specifications

Test Voltage	1.0V
Parameters Test Temp	20°C
Operation Temp	-55 to +125°C
(Including temperature Rise)	
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]
OWIHP0530M-R10	3.00	30.00	25				
OWIHP0530M-R20	3.90	20.00	14				
OWIHP0530M-R33	5.50	18.00	14				
OWIHP0530M-R47	8.50	15.00	11				
OWIHP0530M-R68	12.00	11.50	9				
OWIHP0530M-1R0	14.00	10.00	8,5				
OWIHP0530M-1R2	16.00	9.50	8,5				
OWIHP0530M-1R5	25.00	9.00	8,2				
OWIHP0530M-2R2	29.00	7.00	7				
OWIHP0530M-3R3	38.00	6.00	5,5				
OWIHP0530M-4R7	60.00	4.60	4,5				
OWIHP0530M-6R8	90.00	3.60	3,5				
OWIHP0530M-100	125.00	3.50	3,2				

### Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
5.40	5.20	2.80	1.2	2.2			2.5	1.9	2.2	
±0.35	±0.2	±0.2	Ref	Ref			Ref	Ref	Ref	

