

# OWIHP1250M

## 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	<b>L drops off 30% typ at Isat</b>
Temperature Rise	40°C typ. at Irms

Product ID	DCR [mohm]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF [MHz]
OWIHP1250M-R22	0.70	75.00	50				
OWIHP1250M-R36	0.85	50.00	42				
OWIHP1250M-R68	1.55	46.00	33				
OWIHP1250M-R82	1.67	39.00	30				
OWIHP1250M-1R0	2.20	35.00	26				
OWIHP1250M-1R5	3.20	33.00	23				
OWIHP1250M-2R2	5.00	24.00	15				
OWIHP1250M-3R3	7.00	22.00	14				
OWIHP1250M-4R7	9.00	20.00	13				
OWIHP1250M-6R8	18.00	16.00	12				
OWIHP1250M-100	22.00	12.00	9				
OWIHP1250M-150	30.00	10.00	8				
OWIHP1250M-220	58.00	6.50	4,5				
OWIHP1250M-330	84.00	6.00	3,5				
OWIHP1250M-470	130.00	5.00	3				

## Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
13.45	12.60	4.80	2	Ref			5.5	3.25	8	
±0.35	±0.3	±0.2	Ref				Ref	Ref	Ref	

