

# OWIHP0420M

## 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]
OWIHP0420M-R10	4.00	22.00	13				
OWIHP0420M-R22	6.60	12.50	9,5				
OWIHP0420M-R33	11.00	12.00	10				
OWIHP0420M-R47	14.00	9.50	7,5				
OWIHP0420M-R56	16.00	9.00	7				
OWIHP0420M-R68	18.00	8.00	7				
OWIHP0420M-1R0	27.00	7.00	6				
OWIHP0420M-1R2	27.00	6.50	6				
OWIHP0420M-1R5	46.00	5.50	5				
OWIHP0420M-2R2	58.00	5.00	4,5				
OWIHP0420M-3R3	87.00	3.50	3,3				
OWIHP0420M-4R7	98.00	3.20	2,8				
OWIHP0420M-6R8	175.00	2.50	2,4				
OWIHP0420M-100	282.00	2.00	1,6				
OWIHP0420M-220	363.00	1.40	1,2				

## Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
4.40	4.20	1.80	0.8	2			2.5	1.5	2.2	
±0.35	±0.25	±0.2	Ref	Ref			Ref	Ref	Ref	

