

# OWIHP1040M

Carbonyl powder molded



## 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

## Characteristics

Test Voltage	1.0V
Parameters Test Temp	20°C
Operation Temp (Including temperature Rise)	-55 to +125°C
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]
OWIHP1040M-R15	0.65	75.00	45				
OWIHP1040M-R22	1.00	60.00	35				
OWIHP1040M-R36	1.20	45.00	30				
OWIHP1040M-R47	1.70	40.00	30				
OWIHP1040M-R56	1.80	33.00	25				
OWIHP1040M-R68	2.40	30.00	23				
OWIHP1040M-R80	2.70	29.00	23				
OWIHP1040M-1R0	3.30	28.00	19				
OWIHP1040M-1R5	4.20	24.00	16				
OWIHP1040M-2R2	7.00	16.50	12				
OWIHP1040M-3R3	11.80	16.00	11				
OWIHP1040M-4R7	20.00	13.00	9				
OWIHP1040M-6R8	25.00	12.00	8,5				
OWIHP1040M-8R2	27.00	9.00	8				
OWIHP1040M-100	30.00	8.50	7,8				
OWIHP1040M-150	45.00	7.00	6,5				
OWIHP1040M-220	66.00	5.50	5				
OWIHP1040M-330	92.00	4.80	4,4				
OWIHP1040M-470	145.00	3.50	3,3				
OWIHP1040M-680	195.00	3.00	2,5				

## Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
11.00	10.00	3.80	2	3			4.1	4.1	5.4	

$\pm 0.5$	$\pm 0.2$	$\pm 0.2$	Ref	Ref	Ref	Ref	Ref
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