

OWIHP0530M

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]
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 ±0.35	5.20 ±0.2	2.80 ±0.2	1.2 Ref	2.2 Ref			2.5 Ref	1.9 Ref	2.2 Ref	

