

OWIHP1240M

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]
OWIHP1240M-R22	0.90	50.00	42				
OWIHP1240M-R47	2.00	48.00	33				
OWIHP1240M-R68	3.50	47.00	28				
OWIHP1240M-R82	4.50	40.00	28				
OWIHP1240M-1R0	7.50	35.00	24				
OWIHP1240M-1R5	9.50	30.50	20				
OWIHP1240M-2R2	11.50	26.00	18				
OWIHP1240M-3R3	13.00	21.00	15				
OWIHP1240M-4R7	14.50	18.00	13				
OWIHP1240M-6R8	20.00	14.00	9				
OWIHP1240M-100	25.00	10.00	8				
OWIHP1240M-150	39.00	7.50	6,5				
OWIHP1240M-220	51.00	6.00	4,5				

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
13.45	12.80	3.80	2	Ref			5.5	3.25	8	
±0.35	±0.5	±0.2	Ref				Ref	Ref	Ref	

