

OWIHP0518M

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]
OWIHP0518M-R47	9.00	12.00	10,5				
OWIHP0518M-R56	10.00	11.00	9,5				
OWIHP0518M-1R0	17.00	9.00	8				
OWIHP0518M-1R5	26.00	8.00	7,5				
OWIHP0518M-2R2	35.00	6.00	5				
OWIHP0518M-3R3	58.00	4.80	4,5				
OWIHP0518M-4R7	85.00	4.00	3,5				
OWIHP0518M-6R8	120.00	3.40	2,8				
OWIHP0518M-100	155.00	2.50	2,5				

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
5.40 ±0.35	5.20 ±0.2	1.60 ±0.2	1.2 Ref	2.2 Ref			2.5 Ref	1.9 Ref	2.2 Ref	



