

OWIHP0420M-1R5

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 (Incl temp 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	Inductance [uH]	DCR [mOhm]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF [MHz]	Samples
OWIHP0420M-1R5	1.50 uH	46.00	5.50	5					Digi-Key

When ordering, please specify tolerance code. Tolerance: K=±10%, M=±20%, N=±30%

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	



