

OWIHP0618M

SMD power inductor



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

General Specifications

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]
OWIHP0618M-R10	2.30	38.00	25				
OWIHP0618M-R22	3.50	24.00	22				
OWIHP0618M-R47	8.40	18.00	11,5				
OWIHP0618M-R68	12.00	16.50	9,5				
OWIHP0618M-1R0	16.00	12.00	8,5				
OWIHP0618M-1R5	26.00	9.20	8				
OWIHP0618M-2R2	35.00	8.00	7				
OWIHP0618M-3R3	50.00	6.00	4,5				
OWIHP0618M-4R7	62.00	5.00	4				
OWIHP0618M-6R8	110.00	4.50	3				
OWIHP0618M-100	155.00	4.00	2,3				
OWIHP0618M-220	350.00	2.30	1,8				

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
7.00	6.60	1.60	1.6	3			3.5	2.35	3.7	
±0.3	±0.2	±0.2	Ref	Ref			Ref	Ref	Ref	

