

OWIHP0650M

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]
OWIHP0650M-R47	3.90	21.00	20				
OWIHP0650M-R68	4.50	18.00	16,5				
OWIHP0650M-1R0	6.60	16.00	12				
OWIHP0650M-1R5	10.00	13.00	9,5				
OWIHP0650M-2R2	12.50	11.00	9				
OWIHP0650M-3R3	22.00	10.00	8,5				
OWIHP0650M-4R7	29.00	8.00	6				
OWIHP0650M-6R8	41.00	6.30	5,8				
OWIHP0650M-8R2	48.00	5.50	5,5				
OWIHP0650M-100	60.00	5.30	4,5				
OWIHP0650M-150	90.00	4.00	3,1				
OWIHP0650M-220	140.00	3.50	2,6				
OWIHP0650M-330	190.00	3.00	2,3				
OWIHP0650M-470	230.00	2.60	2				

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
7.00	6.60	3.80	1.6	3			3.5	2.35	3.7	
±0.3	±0.2	±0.2	Ref	Ref			Ref	Ref	Ref	

