

OWIHP0630M

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]
OWIHP0630M-R22	3.00	34.00	24				
OWIHP0630M-R33	3.50	25.00	21				
OWIHP0630M-R47	4.10	20.00	18				
OWIHP0630M-R56	4.50	18.00	16,5				
OWIHP0630M-R68	5.30	17.00	16				
OWIHP0630M-R82	6.00	16.00	14				
OWIHP0630M-1R0	7.40	15.00	12				
OWIHP0630M-1R5	12.10	12.00	12				
OWIHP0630M-2R2	15.00	10.00	9,5				
OWIHP0630M-3R3	22.00	9.50	8,5				
OWIHP0630M-4R7	33.00	9.00	6				
OWIHP0630M-5R6	42.00	6.50	5,5				
OWIHP0630M-6R8	48.00	6.00	5				
OWIHP0630M-8R2	60.00	5.50	5				
OWIHP0630M-100	68.00	5.50	4,5				
OWIHP0630M-150	113.00	4.00	3				
OWIHP0630M-220	170.00	3.00	2,5				
OWIHP0630M-330	270.00	2.50	2				
OWIHP0630M-470	385.00	2.00	1,5				

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
7.00 ±0.3	6.60 ±0.2	2.80 ±0.2	1.6 Ref	3 Ref			3.5 Ref	2.35 Ref	3.7 Ref	

