

# 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 (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	<b>L drops off 30% typ at Isat</b>
Temperature rise	40°C typ. at Irms

Product ID	Inductance [µH]	DCR [mOhm]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF [MHz]	Samples
<a href="#">OWIHP0630M-R22</a>	0.22	3.00	34.00	24					<a href="#">Request samples</a>
<a href="#">OWIHP0630M-R33</a>	0.33	3.50	25.00	21					<a href="#">Request samples</a>
<a href="#">OWIHP0630M-R47</a>	0.47	4.10	20.00	18					<a href="#">Request samples</a>
<a href="#">OWIHP0630M-R56</a>	0.56	4.50	18.00	16,5					<a href="#">Request samples</a>
<a href="#">OWIHP0630M-R68</a>	0.68	5.30	17.00	16					<a href="#">Request samples</a>
<a href="#">OWIHP0630M-R82</a>	0.82	6.00	16.00	14					<a href="#">Request samples</a>
<a href="#">OWIHP0630M-1R0</a>	1.00	7.40	15.00	12					<a href="#">Digi-Key</a>
<a href="#">OWIHP0630M-1R5</a>	1.50	12.10	12.00	12					<a href="#">Digi-Key</a>
<a href="#">OWIHP0630M-2R2</a>	2.20	15.00	10.00	9,5					<a href="#">Request samples</a>
<a href="#">OWIHP0630M-3R3</a>	3.30	22.00	10.00	8,5					<a href="#">Digi-Key</a>
<a href="#">OWIHP0630M-4R7</a>	4.70	33.00	9.00	6					<a href="#">Digi-Key</a>
<a href="#">OWIHP0630M-5R6</a>	5.60	42.00	7.00	5,5					<a href="#">Request samples</a>
<a href="#">OWIHP0630M-6R8</a>	6.80	48.00	6.00	5					<a href="#">Request samples</a>
<a href="#">OWIHP0630M-8R2</a>	8.20	60.00	6.00	5					<a href="#">Request samples</a>
<a href="#">OWIHP0630M-100</a>	10.00	68.00	6.00	4,5					<a href="#">Request samples</a>
<a href="#">OWIHP0630M-150</a>	15.00	113.00	4.00	3					<a href="#">Request samples</a>
<a href="#">OWIHP0630M-220</a>	22.00	170.00	3.00	2,5					<a href="#">Request samples</a>

OWIHP0630M-330	33.00	270.00	3.00	2	<a href="#">Request samples</a>
OWIHP0630M-470	47.00	385.00	2.00	1,5	<a href="#">Request samples</a>

### Shape and dimensions [mm]

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

