

# OWIHP0420M

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]	I <sub>dc</sub> max [mA]	Q (min)	SRF [MHz]	Samples
<a href="#">OWIHP0420M-R10</a>	0.10	4.00	22.00	13.00					<a href="#">Request samples</a>
<a href="#">OWIHP0420M-R22</a>	0.22	6.60	13.00	9.50					<a href="#">Request samples</a>
<a href="#">OWIHP0420M-R33</a>	0.33	11.00	12.00	10.00					<a href="#">Request samples</a>
<a href="#">OWIHP0420M-R47</a>	0.47	14.00	10.00	7.50					<a href="#">Request samples</a>
<a href="#">OWIHP0420M-R56</a>	0.56	16.00	9.00	7.00					<a href="#">Request samples</a>
<a href="#">OWIHP0420M-R68</a>	0.68	18.00	8.00	7.00					<a href="#">Request samples</a>
<a href="#">OWIHP0420M-1R0</a>	1.00	27.00	7.00	6.00					Digi-Key
<a href="#">OWIHP0420M-1R2</a>	1.20	27.00	7.00	6.00					<a href="#">Request samples</a>
<a href="#">OWIHP0420M-1R5</a>	1.50	46.00	6.00	5.00					Digi-Key
<a href="#">OWIHP0420M-2R2</a>	2.20	58.00	5.00	4.50					<a href="#">Request samples</a>
<a href="#">OWIHP0420M-3R3</a>	3.30	87.00	4.00	3.30					Digi-Key
<a href="#">OWIHP0420M-4R7</a>	4.70	98.00	3.00	2.80					Digi-Key
<a href="#">OWIHP0420M-6R8</a>	6.80	175.00	3.00	2.40					Digi-Key
<a href="#">OWIHP0420M-100</a>	10.00	282.00	2.00	1.60					<a href="#">Request samples</a>
<a href="#">OWIHP0420M-220</a>	22.00	363.00	1.00	1.20					<a href="#">Request samples</a>

## Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
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4.40  
±0.35

4.20  
±0.25

1.80  
±0.2

0.8  
Ref

2  
Ref

2.5  
Ref

1.5  
Ref

2.2  
Ref

