

OWIHP0624M

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 | L drops off 30% typ at Isat |
| 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 |
|--------------------------------|-----------------|------------|----------|----------|-------------|--------------|---------|-----------|---------------------------------|
| OWIHP0624M-R22 | 0.22 | 3.00 | 30.00 | 21.00 | | | | | Request samples |
| OWIHP0624M-R33 | 0.33 | 4.10 | 25.00 | 18.00 | | | | | Request samples |
| OWIHP0624M-R47 | 0.47 | 5.10 | 20.00 | 15.00 | | | | | Request samples |
| OWIHP0624M-R56 | 0.56 | 6.50 | 17.00 | 13.00 | | | | | Request samples |
| OWIHP0624M-R68 | 0.68 | 7.00 | 16.00 | 12.00 | | | | | Request samples |
| OWIHP0624M-1R0 | 1.00 | 13.50 | 15.00 | 9.00 | | | | | Request samples |
| OWIHP0624M-1R5 | 1.50 | 20.00 | 14.00 | 8.20 | | | | | Request samples |
| OWIHP0624M-2R2 | 2.20 | 28.00 | 10.00 | 7.00 | | | | | Request samples |
| OWIHP0624M-3R3 | 3.30 | 39.00 | 8.00 | 5.50 | | | | | Request samples |
| OWIHP0624M-4R7 | 4.70 | 50.00 | 7.00 | 5.00 | | | | | Request samples |
| OWIHP0624M-6R8 | 6.80 | 70.00 | 6.00 | 4.00 | | | | | Request samples |
| OWIHP0624M-100 | 10.00 | 101.00 | 4.00 | 3.10 | | | | | Request samples |
| OWIHP0624M-150 | 15.00 | 160.00 | 3.00 | 2.50 | | | | | Request samples |
| OWIHP0624M-220 | 22.00 | 230.00 | 3.00 | 2.00 | | | | | Request samples |

Shape and dimensions [mm]

| A | B | C | D | E | F | G | H | I | J | Shape |
|-----------|-----------|-----------|-----|-----|---|---|-----|------|-----|-------|
| 7.00 | 6.60 | 2.20 | 1.6 | 3 | | | 3.5 | 2.35 | 3.7 | |
| ± 0.3 | ± 0.2 | ± 0.2 | Ref | Ref | | | Ref | Ref | Ref | |

