

# OWIHP0512A-1R2

## Carbonyl power inductor



### Description

Carbonyl power inductor

### Features

Carbonyl powder inductor, stable performance parameters. Excellent reliability. Low loss and low DCR. Very low leakage flux. Compliant with AEC Q200. Frequency up to 3MHz.

### Applications

Automotive Accessories  
Automotive Infotainment  
Automotive industry components  
Various industrial products

### General Specifications

Test Voltage	1.0V
Parameters Test Temp	25°C
Operation Temp (Including temperature Rise)	-55°C to +150°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 25% typ at Isat
Temperature Rise	40°C typ. at Irms

Inductance [ $\mu$ H]	Ltol.	Test freq.	DCR [ $m\Omega$ ]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF[MHz]
1.20	K, M, N	100 kHz	40.00	5.50	4,5				

When ordering please specify tolerance code Tolerance: K=±10%, M=±20%, N=±30%

## Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
5.70	5.20	1.00	1,2	2,2			2,7	2	2,2	
±0.35	±0.30	±0.20	Ref	Ref			Ref	Ref	Ref	



