

# OWIHP0612A-R47

## 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]
0.47	K, M, N	100 kHz	17.00	12.00	8,5				

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
7.30	6.60	1.00	1,6	3			3,5	2,35	3,7	
±0.35	±0.30	±0.20	Ref	Ref			Ref	Ref	Ref	



