

# OWIHP0612A

## 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

Product ID	DCR [mohm]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF [MHz]
OWIHP0612A-R22	7.50	19.00	11				
OWIHP0612A-R33	10.00	16.00	9,5				
OWIHP0612A-R47	17.00	12.00	8,5				
OWIHP0612A-R68	19.00	9.00	7				
OWIHP0612A-1R0	30.00	7.00	6				
OWIHP0612A-1R2	36.00	6.80	5				
OWIHP0612A-1R5	40.00	6.50	4,5				
OWIHP0612A-2R2	61.00	5.00	4				
OWIHP0612A-3R3	100.00	4.00	3,2				
OWIHP0612A-4R7	150.00	3.80	2,5				
OWIHP0612A-6R8	198.00	3.00	2,1				
OWIHP0612A-100	290.00	2.50	1,8				

### 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	



