

# OWIHP1040A

## 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	<b>L drops off 25% typ at Isat</b>
Temperature Rise	40°C typ. at Irms

Product ID	DCR [mohm]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF [MHz]
OWIHP1040A-R15	0.65	100.00	52				
OWIHP1040A-R22	0.95	90.00	40				
OWIHP1040A-R36	1.25	70.00	30				
OWIHP1040A-R56	1.80	45.00	25				
OWIHP1040A-R68	2.10	43.00	22				
OWIHP1040A-1R0	3.20	41.00	20				
OWIHP1040A-1R5	4.20	38.00	16				
OWIHP1040A-2R2	7.00	27.00	12,5				
OWIHP1040A-3R3	11.80	25.50	10,7				
OWIHP1040A-4R7	18.60	19.00	9,6				
OWIHP1040A-5R6	19.30	18.00	9				

## Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
11.50	10.00	3.80	2	3			4,1	4,1	5,4	
±0.5	±0.30	±0.20	Ref	Ref			Ref	Ref	Ref	



