

# OWIHP0615A

## 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]
OWIHP0615A-R22	5.20	22.00	14				
OWIHP0615A-R33	7.60	18.00	11				
OWIHP0615A-R47	10.30	16.00	9,5				
OWIHP0615A-R68	15.20	15.00	7,5				
OWIHP0615A-1R0	25.80	12.00	6,5				
OWIHP0615A-1R2	34.00	10.50	5,6				
OWIHP0615A-1R5	42.50	9.50	5				
OWIHP0615A-2R2	54.00	6.50	4,5				
OWIHP0615A-3R3	70.00	6.00	4,2				
OWIHP0615A-4R7	108.00	5.00	3,8				
OWIHP0615A-5R6	138.00	4.50	3				
OWIHP0615A-6R8	146.00	3.50	2,6				
OWIHP0615A-8R2	184.00	3.20	2,4				
OWIHP0615A-100	216.00	2.80	2,3				

### Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
7.30	6.60	1.30	1,6	3			3,5	2,35	3,7	
±0.35	±0.30	±0.20	Ref	Ref			Ref	Ref	Ref	

