

# OWCWI160808C-1N6

## Wire Wound Ceramic Chip Inductor



### Description

Inductor series with wire wound ceramic chip

### Features

Ceramic body and wire wound construction provides high SRFs  
 Exceptional Q value even at high frequencies  
 High Q value  
 Low DC resistance for low loss

### Applications

RF products for cellular phone  
 GPS receivers  
 Base stations  
 Wireless LAN and repeaters  
 Mouse/keyboard  
 Earphones  
 Remote controls  
 Security systems etc.

### General Specifications

Test Voltage	50mV
Parameters Test Temp	25°C
Operation Temp (Including temperature Rise)	-40°C to +125°C
Storage Temp	1 to 40°C
Storage Humidity	<70% RH
Resistance to Soldering Heat	260°C for 10 sec
Rated Current	40°C typ. at I <sub>rms</sub>
Temperature Rise	

Inductance	Ltol.	Test freq.	DCR [mΩ]	Isat [A]	I <sub>rms</sub> [A]	I <sub>rated</sub> [mA]	I <sub>dc max</sub> [mA]	Q (min)	SRF[MHz]
1.60 nH	J, K, M	250 MHz	40.00	0.00			700	18	12500

When ordering please specify tolerance code: J=±5%, K=±10%, M=±20%

### Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
1.78	1.10	0.95	0.3				1.02	0.64	0.64	
Max	Max	Max	Ref				Ref	Ref	Ref	



