

OWCWI100505C-1N0

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	0 to 40°C
Storage Humidity	<70% RH
Resistance to Soldering Heat	260°C for 10 sec
Rated Current	40°C typ. at I _{rms}
Temperature Rise	

Inductance	Ltol.	Test freq.	DCR [mΩ]	Isat [A]	I _{rms} [A]	I _{rated} [mA]	I _{dc max} [mA]	Q (min)	SRF[MHz]
1.00 nH	J, K, M	250 MHz	45.00	0.00			1360	13	10000

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
1.19	0.66	0.60	0.23				0.66	0.36	0.46	
Max	Max	Max	Ref				Ref	Ref	Ref	



