

# OWIHP453232P-R27

## Plastic Inductors



### Description

Molded series with Plastic powder

### Features

RoHS compliant  
 Lead-free materials used for the plating on the terminals  
 Metal terminals for excellent connection reliability  
 High resistance to heat, humidity, mechanical shocks and pressure.  
 Accurate dimensions for high precision mounting  
 Good heat durability that withstands lead-free compatible reflow soldering.

### Applications

High reliability wire wound chip inductors for communication equipment, instrumentation, video & audio.  
 Developed with focus on higher density mounting of parts in electric circuits.

### General Specifications

Test Voltage	50mV
Parameters Test Temp	25°C
Operation Temp (Including temperature Rise)	-40 to +125°C
Storage Temp	0 to 40°C
Storage Humidity	<70% RH
Resistance to Soldering Heat	245°C for 10 sec
Rated Current	40° typ. at Irms
Temperature Rise	

Inductance [ $\mu$ H]	Ltol.	Test freq.	DCR [ $m\Omega$ ]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF[MHz]
0.27	K, M	2.52 MHz	0.26	0.00		635		40	180

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

## Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
4.50	3.20	3.20	4.2	1.1	1		1.3	1.4	2.2	
±0.4	±0.2	±0.2	±0.3	Ref	Ref		Ref	Ref	Ref	



