

# OWIHP453232PH

## 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	

Product ID	DCR [mohm]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF [MHz]
OWIHP453232PH-1R0	0.11	0.00		1050		10	180
OWIHP453232PH-1R2	0.12	0.00		1000		10	160
OWIHP453232PH-1R5	0.15	0.00		950		10	130
OWIHP453232PH-1R8	0.16	0.00		900		10	100
OWIHP453232PH-2R2	0.18	0.00		850		10	80
OWIHP453232PH-2R7	0.20	0.00		800		10	60
OWIHP453232PH-3R3	0.22	0.00		750		10	45
OWIHP453232PH-3R9	0.24	0.00		700		10	40
OWIHP453232PH-4R7	0.27	0.00		650		10	35
OWIHP453232PH-5R6	0.30	0.00		650		10	30
OWIHP453232PH-6R8	0.35	0.00		600		10	28
OWIHP453232PH-8R2	0.40	0.00		600		10	25
OWIHP453232PH-100	0.50	0.00		550		10	22
OWIHP453232PH-	0.60	0.00		500		10	21

120										
OWIHP453232PH-150	0.70	0.00	450	10	20					
OWIHP453232PH-180	0.80	0.00	400	10	19					
OWIHP453232PH-220	0.90	0.00	370	10	18					
OWIHP453232PH-270	1.20	0.00	330	10	16					
OWIHP453232PH-330	1.40	0.00	300	10	14					
OWIHP453232PH-390	1.60	0.00	280	10	12					
OWIHP453232PH-470	1.90	0.00	260	10	11,5					
OWIHP453232PH-560	2.20	0.00	240	10	11					
OWIHP453232PH-680	2.60	0.00	220	10	10					
OWIHP453232PH-820	3.50	0.00	200	10	9					
OWIHP453232PH-101	4.00	0.00	180	20	8					
OWIHP453232PH-121	4.50	0.00	160	20	7,5					
OWIHP453232PH-151	6.50	0.00	140	20	7					
OWIHP453232PH-181	7.50	0.00	120	20	6,5					
OWIHP453232PH-221	9.00	0.00	120	20	5,5					
OWIHP453232PH-271	11.00	0.00	100	20	5					
OWIHP453232PH-331	13.00	0.00	90	20	4					

## 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	



