

# OWIHP453232P

## 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]
OWIHP453232P-R10	0.18	0.00	800		35	300	
OWIHP453232P-R12	0.20	0.00	770		35	280	
OWIHP453232P-R15	0.22	0.00	730		35	250	
OWIHP453232P-R18	0.24	0.00	700		35	220	
OWIHP453232P-R22	0.25	0.00	665		40	200	
OWIHP453232P-R27	0.26	0.00	635		40	180	
OWIHP453232P-R33	0.28	0.00	605		40	165	
OWIHP453232P-R39	0.30	0.00	575		40	150	
OWIHP453232P-R47	0.32	0.00	545		40	145	
OWIHP453232P-R56	0.36	0.00	520		40	140	
OWIHP453232P-R68	0.40	0.00	500		40	135	
OWIHP453232P-R82	0.45	0.00	475		40	130	
OWIHP453232P-1R0	0.50	0.00	450		50	100	
OWIHP453232P-1R2	0.55	0.00	430		50	80	
OWIHP453232P-1R5	0.60	0.00	410		50	70	
OWIHP453232P-1R8	0.65	0.00	390		50	60	
OWIHP453232P-2R2	0.70	0.00	380		50	55	
OWIHP453232P-2R7	0.75	0.00	370		50	50	
OWIHP453232P-3R3	0.80	0.00	355		50	45	
OWIHP453232P-3R9	0.90	0.00	330		50	40	
OWIHP453232P-4R7	1.00	0.00	315		50	35	
OWIHP453232P-5R6	1.10	0.00	300		50	33	
OWIHP453232P-6R8	1.20	0.00	285		50	27	
OWIHP453232P-8R2	1.40	0.00	270		50	25	

OWIHP453232P-100	1.60	0.00	250	50	20
OWIHP453232P-120	2.00	0.00	225	50	18
OWIHP453232P-150	2.50	0.00	200	50	17
OWIHP453232P-180	2.80	0.00	190	50	15
OWIHP453232P-220	3.20	0.00	180	50	13
OWIHP453232P-270	3.60	0.00	170	50	12
OWIHP453232P-330	4.00	0.00	160	50	11
OWIHP453232P-390	4.50	0.00	150	50	10
OWIHP453232P-470	5.00	0.00	140	50	10
OWIHP453232P-560	5.50	0.00	135	50	9
OWIHP453232P-680	6.00	0.00	130	50	9
OWIHP453232P-820	7.00	0.00	120	50	8
OWIHP453232P-101	8.00	0.00	110	40	8
OWIHP453232P-121	8.00	0.00	110	40	6
OWIHP453232P-151	9.00	0.00	105	40	5
OWIHP453232P-181	9.50	0.00	102	40	5
OWIHP453232P-221	10.00	0.00	100	40	4
OWIHP453232P-271	12.00	0.00	92	40	4
OWIHP453232P-331	14.00	0.00	85	40	3,5
OWIHP453232P-391	18.00	0.00	80	40	3
OWIHP453232P-471	26.00	0.00	62	40	3
OWIHP453232P-561	30.00	0.00	50	30	3
OWIHP453232P-681	30.00	0.00	50	30	3
OWIHP453232P-821	35.00	0.00	30	30	2,5
OWIHP453232P-102	40.00	0.00	30	20	2,5

### 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	



