

OWIHP322522P

Plastic molded



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.

Characteristics

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]
OWIHP322522P-R10	0.44	0.00	450		28	700	
OWIHP322522P-R12	0.22	0.00	450		30	500	
OWIHP322522P-R15	0.25	0.00	450		30	450	
OWIHP322522P-R18	0.28	0.00	450		30	400	
OWIHP322522P-R22	0.32	0.00	450		30	350	
OWIHP322522P-R27	0.36	0.00	450		30	320	
OWIHP322522P-R33	0.40	0.00	450		30	300	
OWIHP322522P-R39	0.45	0.00	450		30	250	
OWIHP322522P-R47	0.50	0.00	450		30	220	
OWIHP322522P-R56	0.55	0.00	450		30	180	
OWIHP322522P-R68	0.60	0.00	450		30	160	
OWIHP322522P-R82	0.65	0.00	450		30	140	
OWIHP322522P-1R0	0.70	0.00	400		30	120	
OWIHP322522P-1R2	0.75	0.00	390		30	100	
OWIHP322522P-1R5	0.85	0.00	370		30	85	
OWIHP322522P-1R8	0.90	0.00	350		30	80	
OWIHP322522P-2R2	1.00	0.00	320		30	75	
OWIHP322522P-2R7	1.10	0.00	290		30	70	
OWIHP322522P-3R3	1.20	0.00	260		30	60	
OWIHP322522P-3R9	1.30	0.00	250		30	55	
OWIHP322522P-4R7	1.50	0.00	220		30	50	
OWIHP322522P-5R6	1.60	0.00	200		30	45	
OWIHP322522P-6R8	1.80	0.00	180		30	40	
OWIHP322522P-8R2	2.00	0.00	170		30	35	

OWIHP322522P-100	2.10	0.00	150	30	30
OWIHP322522P-120	2.50	0.00	140	30	20
OWIHP322522P-150	2.80	0.00	130	30	20
OWIHP322522P-180	3.30	0.00	120	30	20
OWIHP322522P-220	3.70	0.00	110	30	20
OWIHP322522P-270	5.00	0.00	80	30	20
OWIHP322522P-330	5.60	0.00	70	30	17
OWIHP322522P-390	6.40	0.00	65	30	16
OWIHP322522P-470	7.00	0.00	60	30	15
OWIHP322522P-560	8.00	0.00	55	30	13
OWIHP322522P-680	9.00	0.00	50	30	12
OWIHP322522P-820	10.00	0.00	45	30	11
OWIHP322522P-101	10.00	0.00	40	20	10
OWIHP322522P-121	11.00	0.00	70	20	10
OWIHP322522P-151	15.00	0.00	65	20	8
OWIHP322522P-181	17.00	0.00	60	20	7
OWIHP322522P-221	21.00	0.00	50	20	7

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
3.20	2.50	2.20	2.9	1	0.6		1.2	1	1.8	
±0.4	±0.2	±0.2	±0.3	Ref	Ref		Ref	Ref	Ref	

