

OWIHP0512A

Carbonyl power inductor



Description

Carbonyl power inductor

Features

Carbonyl powder inductor, stable performance parameters.
Excellent reliability.
Low loss and low DCR
Very low leakage flux.
Compliant with AEC Q200.
Frequency up to 3MHz.

Applications

Automotive Accessories
Automotive Infotainment
Automotive industry components
Various industrial products

General Specifications

Test Voltage	1.0V
Parameters Test Temp	25°C
Operation Temp (Including temperature Rise)	-55°C to +150°C
Storage Temp	0 to 40°C
Storage Humidity	<70% RH
Resistance to Soldering Heat	260°C for 10 sec
Rated Current	L drops off 25% typ at Isat
Temperature Rise	40°C typ. at Irms

Product ID	DCR [mohm]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF [MHz]
OWIHP0512A-R10	5.20	14.50	14				
OWIHP0512A-R22	6.70	14.00	10,7				
OWIHP0512A-R33	9.40	13.50	8,5				
OWIHP0512A-R36	11.50	13.00	8				
OWIHP0512A-R47	15.80	11.00	7				
OWIHP0512A-R68	24.50	9.00	6				
OWIHP0512A-1R0	30.00	6.00	5				
OWIHP0512A-1R2	40.00	5.50	4,5				
OWIHP0512A-1R5	44.00	5.00	4				
OWIHP0512A-2R2	75.00	4.00	3,5				
OWIHP0512A-3R3	86.00	3.80	3				
OWIHP0512A-4R7	115.00	3.20	2,5				
OWIHP0512A-5R6	201.00	3.20	2,4				
OWIHP0512A-6R8	222.00	3.00	2				
OWIHP0512A-8R2	378.00	2.80	1,7				

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
5.70	5.20	1.00	1,2	2,2			2,7	2	2,2	
±0.35	±0.30	±0.20	Ref	Ref			Ref	Ref	Ref	

