

OWIHP0520A

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]
OWIHP0520A-R33	7.30	21.30	12				
OWIHP0520A-R47	8.60	18.00	11,5				
OWIHP0520A-R68	12.40	12.80	10				
OWIHP0520A-1R0	19.20	11.70	7				
OWIHP0520A-1R2	28.00	11.00	6,2				
OWIHP0520A-1R5	30.50	9.80	5,5				
OWIHP0520A-2R2	50.00	9.00	4,2				
OWIHP0520A-3R3	70.00	7.30	3,3				
OWIHP0520A-4R7	106.00	5.00	2,8				
OWIHP0520A-5R6	122.00	4.00	2,5				
OWIHP0520A-6R8	145.00	3.80	2,4				
OWIHP0520A-8R2	168.00	3.50	2,3				
OWIHP0520A-100	189.00	3.40	2,3				

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
5.70	5.20	1.80	1,2	2,2			2,7	2	2,2	
±0.35	±0.30	±0.20	Ref	Ref			Ref	Ref	Ref	

