

OWIHP0518A

Alloy metal molded



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

Characteristics

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]
OWIHP0518A-R33	8.60	15.00	11				
OWIHP0518A-R47	11.30	14.00	10				
OWIHP0518A-R68	14.30	13.00	9				
OWIHP0518A-1R0	21.00	10.00	6,8				
OWIHP0518A-1R5	30.00	9.00	6				
OWIHP0518A-2R2	48.30	7.50	4,5				
OWIHP0518A-3R3	69.00	5.00	3,5				
OWIHP0518A-4R7	98.00	4.50	3				
OWIHP0518A-5R6	127.00	4.00	2,5				
OWIHP0518A-6R8	137.00	3.50	2,4				
OWIHP0518A-8R2	165.00	3.00	2,3				
OWIHP0518A-100	190.00	2.80	2,3				

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
5.70 ±0.35	5.20 ±0.30	1.60 ±0.20	1,2 Ref	2,2 Ref			2,7 Ref	2 Ref	2,2 Ref	



