

OWIHP0412A

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]
OWIHP0412A-R10	5.50	25.00	11,5				
OWIHP0412A-R22	12.00	20.00	8,5				
OWIHP0412A-R47	20.00	6.50	6				
OWIHP0412A-1R0	50.00	6.00	4				
OWIHP0412A-1R5	73.00	4.00	3				
OWIHP0412A-2R2	80.00	3.50	2,8				
OWIHP0412A-3R3	97.00	3.00	2,3				
OWIHP0412A-4R7	185.00	2.50	2				
OWIHP0412A-5R6	208.00	2.30	1,7				
OWIHP0412A-6R8	360.00	1.70	1,5				
OWIHP0412A-8R2	376.00	1.60	1,4				
OWIHP0412A-100	463.00	1.40	1,3				

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
4.40 ±0.35	4.20 ±0.30	1.00 ±0.20	0,8 Ref	2 Ref			2,5 Ref	1,5 Ref	2,2 Ref	



