

OWIHP0420A

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]
OWIHP0420A-R18	5.40	28.00	11,5				
OWIHP0420A-R10	4.00	35.00	12				
OWIHP0420A-R18	5.40	28.00	11,5				
OWIHP0420A-R22	7.30	24.00	11				
OWIHP0420A-R33	8.60	18.00	10				
OWIHP0420A-R47	14.00	12.00	8				
OWIHP0420A-R56	17.00	10.00	7,3				
OWIHP0420A-R68	19.00	10.00	7				
OWIHP0420A-1R0	27.50	8.50	5				
OWIHP0420A-1R2	30.00	7.80	4,8				
OWIHP0420A-1R5	42.00	7.00	4,5				
OWIHP0420A-2R2	61.00	6.00	4				
OWIHP0420A-3R3	90.00	4.00	3,5				
OWIHP0420A-4R7	105.00	3.50	2,6				
OWIHP0420A-5R6	125.00	3.00	2,2				
OWIHP0420A-6R8	172.00	2.80	2,1				
OWIHP0420A-8R2	180.00	2.50	2				
OWIHP0420A-100	243.00	2.30	1,8				
OWIHP0420A-150	374.00	1.90	1,5				
OWIHP0420A-220	500.00	1.40	1,2				

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
4.40 ±0.35	4.20 ±0.30	1.80 ±0.20	0,8 Ref	2 Ref			2,5 Ref	1,5 Ref	2,2 Ref	

