

OWIHP0618A

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]
OWIHP0618A-R33	5.80	22.00	14				
OWIHP0618A-R47	7.40	18.00	12				
OWIHP0618A-R68	11.00	17.00	10				
OWIHP0618A-R82	14.00	15.50	8,5				
OWIHP0618A-1R0	17.00	14.00	7				
OWIHP0618A-1R2	24.00	13.50	6,5				
OWIHP0618A-1R5	25.20	13.00	6				
OWIHP0618A-2R2	35.00	11.00	6				
OWIHP0618A-3R3	46.00	9.00	5				
OWIHP0618A-4R7	76.00	7.00	4				
OWIHP0618A-5R6	86.00	6.00	3,5				
OWIHP0618A-6R8	104.00	5.50	3				
OWIHP0618A-8R2	140.00	4.50	2,6				
OWIHP0618A-100	160.00	3.50	2,3				

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
7.30	6.60	1.60	1,6	3			3,5	2,35	3,7	
±0.35	±0.30	±0.20	Ref	Ref			Ref	Ref	Ref	

