

OWIHP0412A-1R0

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

Inductance [μ H]	Ltol.	Test freq.	DCR [$m\Omega$]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF[MHz]
1.00	K, M, N	100 kHz	50.00	6.00	4				

When ordering please specify tolerance code Tolerance: K=±10%, M=±20%, N=±30%

Shape and dimensions [mm]

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



