

# OWIHP1770A-T01-1R0

## 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	0.25V
Parameters Test Temp	25°C
Operation Temp (Including temperature Rise)	-55°C to +125°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 30% typ at Isat
Temperature Rise	40°C typ. at Irms

Inductance	Ltol.	Test freq.	DCR [mΩ]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF[MHz]
1.00 uH	M, P, N	200 kHz	1.35	73.00	48				

When ordering please specify tolerance code Tolerance: M=±20%, P=±25%, N=±30%

## Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
17.00	18.00	7.00	12	2,5			12,5	5,25	10	
±0.35	±0.35	Max.	Ref	Ref			Ref	Ref	Ref	

