

# OWIHP1770-T01-1R0

## SMD power inductor



### Description

Molded series with Carbonyl powder

### Features

RoHS, Halogen Free and REACH Compliance  
 Lowest Rdc  
 Frequency range up to 1.0MHz  
 Handles high transient current spikes without saturation

### Applications

For cellular phones, LCD displays, HDDs, DVCs, DSCs, PDA etc.  
 Thin type on-board power supply module  
 Battery powered devices  
 DC/DC converters for CPU in Notebook PC

### General Specifications

Test Voltage	0.25V
Parameters Test Temp	25°C
Operation Temp (Including temperature Rise)	-40 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 μH	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	

