

# OWI0403F-1R0

## SMD Power inductor



### Description

SMD Power inductor

### Features

RoHS, Halogen Free and REACH compliance  
 Unshielded power inductor  
 Various package sizes and wide inductance range.  
 SDO family is designed for low resistance and high current

### Applications

Power supply for VTR, OA equipment  
 LCD television set, notebook PC  
 Portable communication, equipment  
 DC/DC converters, etc.

### General Specifications

Test Voltage	0.1V
Parameters Test Temp	20°C
Operation Temp (Including temperature Rise)	-40°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	<b>L drops off 10% typ at Isat</b>
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	K, L, M, P, N	100 kHz	0.05	2.90	2,9				130

When ordering please specify tolerance code Tolerance: K=±10%, L=±15%, M=±20%, P=±25%, N=±30%

## Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
6.60	4.45	2.92	1.27	1.02	4.32		3.56	1.4	4.06	Fig. 1
Max	Max	Max	Ref	Ref	Ref		Ref	Ref	Ref	

