

# OWCDI453226-1R0

## SMD Power inductor



### Description

The series exhibits low voltage drops and small variations in inductance with respect to temperature rise and DC current level. This makes them excellent for use as power supply line choke coils.

### Features

RoHS Compliant  
Low DC resistance, high current and high inductance.

### Applications

Personal computers  
Disk drives and computer peripherals  
Pagers, cordless phones  
DC power supplies.

### General Specifications

Test Voltage	0.25V
Parameters Test Temp	25°C
Operation Temp (Including temperature Rise)	-40°C to +125°C
Storage Temp	2 to 40°C
Storage Humidity	<70% RH
Resistance to Soldering Heat	260°C for 10 sec
Rated Current	L drops off 10% typ at Isat
Temperature Rise	40°C typ. at Irms

Inductance [ $\mu$ H]	Ltol.	Test freq.	DCR [ $m\Omega$ ]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF[MHz]
1.00	K, L, M, N	100 kHz	80.00	1.80	1,75				

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

## Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
4.50	3.20	2.60	1.75	1			3.5	2.45	1	
±0.3	±0.3	±0.3	Ref	Ref			Ref	Ref	Ref	

