

OWCDI575047-470

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	3 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	Ltol.	Test freq.	DCR [mΩ]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF[MHz]
47.00 uH	K, L, M, N	100 kHz	580.00	0.80	0,76				

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
5.70	5.00	4.70	1.85	2			5.5	2.85	1.8	
±0.3	±0.3	±0.3	Ref	Ref			Ref	Ref	Ref	

