

OWCDI321618

Low-voltage miniature 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.

Characteristics

Test Voltage	0.25V
Parameters Test Temp	25°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	L drops off 10% typ at Isat
Temperature Rise	40°C typ. at Irms

Product ID	DCR [mohm]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF [MHz]
OWCDI321618-R12	112.00	0.97	1,6				
OWCDI321618-R22	140.00	0.85	1,35				
OWCDI321618-R47	210.00	0.70	1,08				
OWCDI321618-1R0	364.00	0.51	0,78				
OWCDI321618-2R2	533.00	0.43	0,66				
OWCDI321618-3R3	610.00	0.38	0,6				
OWCDI321618-4R7	845.00	0.34	0,58				
OWCDI321618-100	1690.00	0.23	0,4				
OWCDI321618-220	3900.00	0.16	0,25				
OWCDI321618-470	10400.00	0.10	0,15				

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
3.20 ±0.3	1.60 ±0.3	1.80 ±0.3	1.2 Ref	0.8 Ref			1.8 Ref	1.85 Ref	0.7 Ref	



