

OWCDI322520

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	1 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]
OWCDI322520-1R0	100.00	1.00	1,25				
OWCDI322520-2R2	169.00	0.70	1,15				
OWCDI322520-3R3	180.00	0.65	1				
OWCDI322520-4R7	260.00	0.55	0,98				
OWCDI322520-100	450.00	0.30	0,7				
OWCDI322520-220	923.00	0.25	0,56				
OWCDI322520-470	1800.00	0.17	0,38				
OWCDI322520-101	4000.00	0.15	0,22				
OWCDI322520-331	13000.00	0.06	0,12				
OWCDI322520-391	22100.00	0.06	0,11				
OWCDI322520-471	24700.00	0.05	0,1				
OWCDI322520-561	28000.00	0.04	0,09				

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
3.20 ±0.3	2.50 ±0.3	2.00 ±0.3	1.1 Ref	1 Ref			2.7 Ref	1.8 Ref	0.8 Ref	



