

OWCDI453226

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 (Incl temp 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

Product ID	Inductance [µH]	DCR [mOhm]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF [MHz]	Samples
OWCDI453226-1R0	1.00	80.00	1.80	1,75					-
OWCDI453226-1R5	1.50	90.00	1.20	1,64					-
OWCDI453226-1R8	1.80	100.00	1.15	1,66					-
OWCDI453226-2R2	2.20	110.00	1.00	1,55					-
OWCDI453226-2R7	2.70	120.00	0.95	1,5					-
OWCDI453226-3R3	3.30	130.00	0.80	1,42					-
OWCDI453226-3R9	3.90	140.00	0.78	1,36					-
OWCDI453226-4R7	4.70	150.00	0.75	1,32					-
OWCDI453226-6R8	6.80	200.00	0.72	1,23					-
OWCDI453226-8R2	8.20	220.00	1.68	1,18					-
OWCDI453226-100	10.00	240.00	0.65	1,12					-
OWCDI453226-150	15.00	320.00	0.57	0,96					-
OWCDI453226-220	22.00	600.00	0.42	0,7					-
OWCDI453226-330	33.00	1000.00	0.31	0,5					-
OWCDI453226-470	47.00	1100.00	0.28	0,45					-
OWCDI453226-680	68.00	1700.00	0.22	0,38					-
OWCDI453226-101	100.00	2200.00	0.19	0,34					-
OWCDI453226-221	220.00	4000.00	0.12	0,22					-
OWCDI453226-331	330.00	6800.00	0.11	0,14					-
OWCDI453226-391	390.00	7200.00	0.10	0,11					-
OWCDI453226-471	470.00	8500.00	0.10	0,1					-
OWCDI453226-681	680.00	16800.00	0.09	0,1					-
OWCDI453226-821	820.00	20000.00	0.09	0,09					-
OWCDI453226-102	1000.00	25000.00	0.08	0,08					-
OWCDI453226-152	1500.00	38500.00	0.08	0,07					-
OWCDI453226-222	2200.00	47000.00	0.07	0,06					-

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	

