

OWI0804C

Shielded drum core inductor



Description

SMD Power inductor

Features

RoHS, Halogen Free and REACH compliance
Magnetic shielded
Good energy storage and low resistance

Applications

Flash memory programmers
Electric motors
Power supply for VTR, OA equipment
LCD television set, notebook PC
Portable communication, equipment
DC/DC converters, etc.

Characteristics

Test Voltage	0.1V
Parameters Test Temp	20°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]
OWI0804C-1R0	0.02	5.60	5			110	
OWI0804C-1R5	0.02	5.20	4,5			90	
OWI0804C-2R2	0.03	5.00	3,8			60	
OWI0804C-3R3	0.04	3.90	3,3			55	
OWI0804C-4R7	0.05	3.20	2,7			30	
OWI0804C-6R8	0.08	2.80	2,2			30	
OWI0804C-100	0.10	2.40	2			28	
OWI0804C-150	0.15	2.00	1,5			20	
OWI0804C-220	0.21	1.60	1,3			15	
OWI0804C-330	0.33	1.40	1,2			12	
OWI0804C-470	0.47	1.00	0,96			10	
OWI0804C-680	0.66	0.90	0,77			8	
OWI0804C-101	0.92	0.80	0,61			6	
OWI0804C-151	1.29	0.70	0,49			5	
OWI0804C-221	2.20	0.50	0,39			4	
OWI0804C-331	2.50	0.38	0,31			3	
OWI0804C-471	3.70	0.35	0,28			2,5	
OWI0804C-681	6.40	0.30	0,22			2	
OWI0804C-102	9.60	0.25	0,2			1	

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
13.21 Max	9.40 Max	5.08 Max	2.54 Ref	2.54 Ref	7.62 Ref		2.79 Ref	2.92 Ref	7.37 Ref	Fig. 2

Fig.1



Fig.2



Fig.3

