

OWI0804F

Drum core SMD inductor



Description

SMD Power inductor

Features
RoHS, Halogen Free and REACH compliance
Unshielded power inductor
Various package sizes and wide inductance range.
SDO family is designed for low resistance and high current

Applications
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]
OWI0804F-1R0	0.01	9.00	6,8			100	
OWI0804F-1R5	0.01	8.00	6,4			90	
OWI0804F-2R2	0.01	7.00	6,1			85	
OWI0804F-3R3	0.02	6.40	5,4			65	
OWI0804F-4R7	0.02	5.40	4,8			45	
OWI0804F-6R8	0.03	4.60	4,4			38	
OWI0804F-100	0.04	3.80	3,9			30	
OWI0804F-150	0.05	3.00	3,1			27	
OWI0804F-220	0.09	2.60	2,7			19	
OWI0804F-330	0.10	2.00	2,1			15	
OWI0804F-470	0.14	1.80	1,8			12	
OWI0804F-680	0.20	1.40	1,5			10	
OWI0804F-101	0.28	1.20	1,3			9	
OWI0804F-151	0.40	1.00	1			6,5	
OWI0804F-221	0.61	0.80	0,8			5	
OWI0804F-331	1.02	0.60	0,6			4,5	
OWI0804F-471	1.27	0.50	0,5			3,5	
OWI0804F-681	2.02	0.40	0,4			2,5	
OWI0804F-102	3.00	0.35	0,3			2	
OWI0804F-122	3.50	0.32	0,28			1,6	
OWI0804F-152	5.00	0.30	0,25			1,2	
OWI0804F-222	8.50	0.25	0,2			0,8	
OWI0804F-332	8.97	0.20	0,17			0,5	
OWI0804F-472	14.50	0.17	0,12			0,3	
OWI0804F-822	27.60	0.12	0,09			0,2	

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
13.21 Max	9.40 Max	5.21 Max	2.54 Ref	2.54 Ref	7.62 Ref		2.79 Ref	2.92 Ref	7.37 Ref	Fig. 2

