

OWI0810F

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]
OWI0810F-1R5	0.01	18.00	6,5			75	
OWI0810F-2R2	0.01	14.00	6			70	
OWI0810F-3R3	0.02	12.00	5,5			50	
OWI0810F-4R7	0.02	11.00	5			38	
OWI0810F-6R8	0.03	10.00	4,8			25	
OWI0810F-100	0.03	8.00	3,5			22	
OWI0810F-150	0.05	7.00	3			18	
OWI0810F-220	0.05	5.50	2,5			11	
OWI0810F-330	0.08	4.00	2			9	
OWI0810F-470	0.11	3.80	1,6			8	
OWI0810F-680	0.17	3.00	1,2			7	
OWI0810F-101	0.22	2.50	1,2			5	
OWI0810F-151	0.33	2.00	0,9			4	
OWI0810F-221	0.44	1.60	0,7			3,5	
OWI0810F-331	0.70	1.20	0,6			2,5	
OWI0810F-471	0.95	1.10	0,3			2	
OWI0810F-681	1.70	1.00	0,2			2	
OWI0810F-102	2.00	0.80	0,1			1,5	
OWI0810F-222	5.30	0.45	0,09			1	
OWI0810F-272	5.50	0.40	0,08			0,9	
OWI0810F-332	6.80	0.30	0,07			0,7	
OWI0810F-802	17.00	0.15	0,04			0,2	

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
13.21	9.40	11.43	2.54	2.54	7.62		2.79	2.92	7.37	Fig. 2

Max

Max

Max

Ref

Ref

Ref

Ref

Ref

Ref

Fig.1

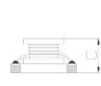


Fig.2

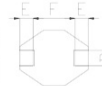


Fig.3

