

OWI0810F-100

SMD Power 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.

General Specifications

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

Inductance	Ltol.	Test freq.	DCR [mΩ]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF[MHz]
10.00 uH	K, L, M, P, N	100 kHz	0.03	8.00	3,5				22

When ordering please specify tolerance code Tolerance: K=±10%, L=±15%, M=±20%, P=±25%, N=±30%

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	

