

OWIHP1770-T02-1R0

SMD power inductor



Description

Molded series with Carbonyl powder

Features

RoHS, Halogen Free and REACH Compliance
 Lowest Rdc
 Frequency range up to 1.0MHz
 Handles high transient current spikes without saturation

Applications

For cellular phones, LCD displays, HDDs, DVCs, DSCs, PDA etc.
 Thin type on-board power supply module
 Battery powered devices
 DC/DC converters for CPU in Notebook PC

General Specifications

Test Voltage	0.25V
Parameters Test Temp	25°C
Operation Temp (Including temperature Rise)	-40 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 30% typ at Isat
Temperature Rise	40°C typ. at Irms

Inductance [μ H]	Ltol.	Test freq.	DCR [$m\Omega$]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF[MHz]
1.00	M, P, N	200 kHz	1.27	32.00	55,5				

When ordering please specify tolerance code. Tolerance: M=±20%, P=±25%, N=±30%

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
17.00	18.00	7.00	12	2.5			12.5	5.25	10	
±0.35	±0.35	Max	Ref	Ref			Ref	Ref	Ref	

