

OWIHPM0420-1R8

Composite injection mold inductor



Description

Composite injection mold inductor

Features

Excellent current handling
 Exceptionally low DCR
 Soft saturation
 Composite construction minimizes audible buzzing.
 Tin silver over copper terminations
 Composite material.

Applications

Perfect for VRM /VRD applications.

General Specifications

Test Voltage	1.0V
Parameters Test Temp	25°C
Operation Temp (Including temperature Rise)	-55°C to +150°C
Storage Temp	0 to 40°C
Storage Humidity	10% to 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	Ltol.	Test freq.	DCR [mΩ]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF[MHz]
1.80 uH	N, P, M	100 kHz	28.50	7.30	6,8				

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

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
4.10	4.10	1.90	3,4	0,88	1,6		3,8	1	1,4	
±0.20	±0.20	±0.20	±0.30	±0.30	±0.30		Ref	Ref	Ref	

