

OWIHPM0420

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

Product ID	DCR [mohm]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF [MHz]
OWIHPM0420-1R8	28.50	7.30	6,8				
OWIHPM0420-1R5	23.80	7.50	7,5				
OWIHPM0420-1R2	18.10	8.80	8,8				
OWIHPM0420-1R0	15.00	9.50	9,5				
OWIHPM0420-R72	11.90	11.80	10,7				
OWIHPM0420-R60	9.70	13.50	11,5				
OWIHPM0420-R56	9.50	13.90	11,8				
OWIHPM0420-R47	8.80	14.20	12,3				
OWIHPM0420-R40	7.90	15.30	13,9				
OWIHPM0420-R36	6.50	16.90	14,6				
OWIHPM0420-R22	4.70	19.40	16,5				
OWIHPM0420-R10	2.50	37.80	18,2				

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	



