

OWIFNR4020

High current NR inductor



Description

Ferrite core, semi-shielded magnetic epoxy

Features

RoHS, Halogen Free and REACH Compliance
Shielded and miniature design
Shielded power inductor
Ultra-high saturation current

Applications

Smartphones, tablets
Wearable devices, DSC, camcorders
DC/DC converters etc.

Characteristics

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

Product ID	DCR [mohm]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF [MHz]
OWIFNR4020-100	218.00	2.80	2			11	
OWIFNR4020-6R8	158.00	3.00	2,4			13	
OWIFNR4020-4R7	110.00	4.00	2,85			17	
OWIFNR4020-3R3	74.00	4.70	3,45			19	
OWIFNR4020-2R2	50.00	6.10	4,3			25	
OWIFNR4020-1R5	38.00	7.70	5,2			30	
OWIFNR4020-1R0	28.00	8.70	5,8			37	

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
4.00 ±0.2	4.00 ±0.2	2.05 Max	1 Ref	3.5 Ref	2 Ref		3.8 Ref	1.4 Ref	1.7 Ref	



