

OWIFNR3012

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.

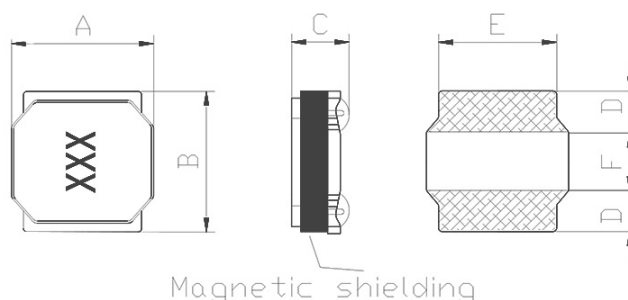
Characteristics

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]
OWIFNR3012-100	474.00	1.20	1			12	
OWIFNR3012-6R8	340.00	1.60	1,1			16	
OWIFNR3012-4R7	235.00	2.00	1,3			20	
OWIFNR3012-3R3	158.00	2.20	1,7			25	
OWIFNR3012-2R2	110.00	2.80	2,05			28	
OWIFNR3012-1R5	77.00	3.40	2,5			37	
OWIFNR3012-1R0	58.00	4.20	2,7			51	
OWIFNR3012-R68	44.00	5.80	3,4			63	
OWIFNR3012-R47	36.00	6.80	3,9			86	
OWIFNR3012-R33	30.00	7.20	4,2			107	

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
3.00 ±0.2	3.00 ±0.2	1.35 Max	1.13 Ref	2.6 Ref	0.82 Ref		2.9 Ref	1.5 Ref	0.5 Ref	



Magnetic shielding

