

OWINR5012

NR series



Description

Ferrite core, semi-shielded, magnetic epoxy

Features

RoHS, Halogen Free and REACH Compliance
Magnetic resin shielded construction reduces buzz noise to ultra-low levels
Metallization on ferrite core results in excellent shock resistance and damage-free durability
30% higher current rating than conventional inductors of equal size
Takes up less PCB real estate and saves power

Applications

Flat-screen TVs, blue-ray disc recorders, set top boxes
Cameras and smart phones
Portable gaming devices, GPS, multimedia devices, Telecom base stations, VR/AR-glasses etc.

Characteristics

Test Voltage	1.0V
Parameters Test Temp	20°C
Operation Temp (Incl temp rise)	-40 to +125°C
Storage Temp	0 to 40°C
Storage Humidity	
Resistance to Soldering Heat	260° for 10 sec
Rated Current	L drops off 30% typ at Isat
Temperature rise	40° typ. at Irms

Product ID	Inductance [µH]	DCR [mOhm]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF [MHz]	Samples
OWINR5012-220	22.00	858.00	1.00	0,6				16	Request samples
OWINR5012-150	15.00	523.00	1.00	0,8				13	Request samples
OWINR5012-100	10.00	413.00	1.00	0,85				17	Request samples
OWINR5012-6R8	6.80	294.00	2.00	1				22	Request samples
OWINR5012-4R7	4.70	197.00	2.00	1,3				31	Request samples
OWINR5012-3R3	3.30	151.00	2.00	1,4				34	Request samples
OWINR5012-2R2	2.20	108.00	3.00	1,7				50	Request samples
OWINR5012-1R5	1.50	86.00	4.00	1,9				68	Request samples
OWINR5012-1R0	1.00	68.00	4.00	2				103	Request samples
OWINR5012-R22	0.22	34.00	8.00	3				315	Request samples

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
5.00	5.00	1.30	1.5	4	2		4.3	1.9	1.7	Fig.1
±0.2	±0.2	Max	Ref	Ref	Ref		Ref	Ref	Ref	

Fig.1

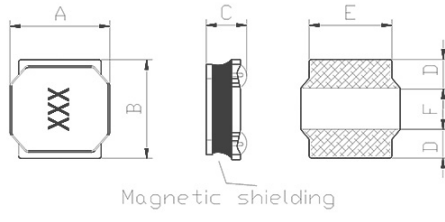


Fig.2

