

OWINR3015

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	25°C
Operation Temp (Including temperature 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	DCR [mohm]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF [MHz]
OWINR3015-151	4940.00	0.18	0,19			4,7	
OWINR3015-101	4043.00	0.23	0,21			6,3	
OWINR3015-680	3510.00	0.28	0,23			11	
OWINR3015-620	2093.00	0.30	0,3			13	
OWINR3015-560	1664.00	0.33	0,34			13	
OWINR3015-470	1625.00	0.35	0,35			14	
OWINR3015-430	1378.00	0.37	0,37			16	
OWINR3015-390	1294.00	0.41	0,39			14	
OWINR3015-330	1066.00	0.44	0,43			20	
OWINR3015-270	949.00	0.48	0,45			22	
OWINR3015-220	598.00	0.52	0,57			23	
OWINR3015-180	559.00	0.56	0,59			23	
OWINR3015-150	455.00	0.66	0,65			30	
OWINR3015-120	416.00	0.70	0,68			32	
OWINR3015-100	325.00	0.72	0,77			41	
OWINR3015-6R8	260.00	0.85	0,85			39	
OWINR3015-6R2	254.00	1.00	0,86			46	
OWINR3015-5R1	173.00	1.00	1,05			49	
OWINR3015-4R7	163.00	1.10	1,09			46	
OWINR3015-4R3	150.00	1.20	1,14			53	
OWINR3015-3R6	137.00	1.28	1,2			59	
OWINR3015-3R9	137.00	1.20	1,2			47	
OWINR3015-3R3	104.00	1.32	1,36			68	

OWINR3015-2R7	98.00	1.52	1,43							64
OWINR3015-2R2	78.00	1.60	1,6							86
OWINR3015-1R5	65.00	2.30	1,7							100
OWINR3015-1R8	65.00	1.75	1,7							92
OWINR3015-1R2	52.00	2.21	1,95							110
OWINR3015-R50	39.00	3.90	2,6							162
OWINR3015-1R0	39.00	2.32	2,35							150

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
3.00	3.00	1.50	0.9	2.6	1.2		2.9	1.3	0.9	
±0.2	±0.2	Max	Ref	Ref	Ref		Ref	Ref	Ref	

Fig.1

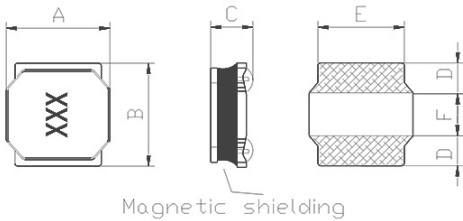


Fig.2

