

OWINR3015C

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	0.1V
Parameters Test Temp	20°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]
OWINR3015C-101	2920.00	0.23	0,25			11	
OWINR3015C-470	1406.00	0.32	0,4			18	
OWINR3015C-330	959.00	0.39	0,45			22	
OWINR3015C-220	622.00	0.47	0,55			28	
OWINR3015C-150	422.00	0.58	0,65			33	
OWINR3015C-100	276.00	0.75	0,87			45	
OWINR3015C-6R8	211.00	0.90	0,9			50	
OWINR3015C-4R7	136.00	1.08	1,25			65	
OWINR3015C-3R3	112.00	1.21	1,45			75	
OWINR3015C-2R2	72.00	1.48	1,6			90	
OWINR3015C-1R5	66.00	1.80	1,9			130	
OWINR3015C-1R0	48.00	2.10	2,1			145	

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
3.00 ±0.2	3.00 ±0.2	1.50 Max	1.1 Ref	0.92 Ref	2.6 Ref		2.9 Ref	1.23 Ref	0.8 Ref	

