

OWINR4018

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 (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]
OWINR4018-221	5200.00	0.27	0,17			4	
OWINR4018-151	3250.00	0.31	0,22			5,5	
OWINR4018-101	2275.00	0.40	0,25			6,5	
OWINR4018-680	1300.00	0.47	0,32			8,3	
OWINR4018-470	845.00	0.57	0,42			10	
OWINR4018-330	689.00	0.56	0,49			12	
OWINR4018-270	611.00	0.47	0,52			27	
OWINR4018-220	468.00	0.80	0,59			16	
OWINR4018-150	325.00	0.94	0,65			19	
OWINR4018-100	234.00	1.30	0,84			24	
OWINR4018-6R8	143.00	1.45	1,06			29	
OWINR4018-4R7	117.00	1.70	1,2			34	
OWINR4018-3R3	91.00	2.45	1,23			44	
OWINR4018-2R2	59.00	2.70	1,65			52	
OWINR4018-1R8	44.00	3.00	2			54	
OWINR4018-1R5	39.00	3.35	1,8			65	
OWINR4018-1R0	33.00	4.80	2			80	
OWINR4018-R68	26.00	4.90	3,3			128	
OWINR4018-R47	18.00	4.30	4			155	

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
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4.00	4.00	1.80	1.2	3.5	1.6	3.8	1.6	1.3	Fig.1
±0.2	±0.2	Max	Ref	Ref	Ref	Ref	Ref	Ref	

