

OWINR4010

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]
OWINR4010-220	684.00	0.45	0,5			19	
OWINR4010-150	516.00	0.54	0,6			24	
OWINR4010-100	360.00	0.62	0,75			31	
OWINR4010-6R8	240.00	0.80	1			38	
OWINR4010-4R7	168.00	0.95	1,2			47	
OWINR4010-3R3	120.00	1.10	1,4			58	
OWINR4010-2R2	102.00	1.20	1,5			73	
OWINR4010-1R5	84.00	1.68	1,7			94	
OWINR4010-1R0	67.00	2.00	1,9			116	

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
4.00 ±0.2	4.00 ±0.2	1.15 Max	1.3 Ref	3.5 Ref	1.4 Ref		3.8 Ref	1.7 Ref	1.1 Ref	Fig.1

Fig.1

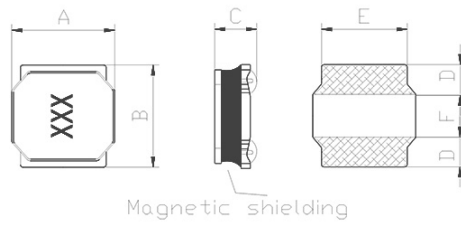


Fig.2

