

OWINR6050

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]
OWINR6050-330	175.00	2.20	1,7			6,2	
OWINR6050-220	120.00	3.10	2,4			8	
OWINR6050-150	90.00	3.30	2,6			9	
OWINR6050-100	60.00	4.20	3,3			12	
OWINR6050-6R8	46.00	5.20	4,1			16	
OWINR6050-4R7	36.00	6.40	5,1			19	
OWINR6050-3R3	26.00	7.20	5,7			25	
OWINR6050-2R2	20.00	8.50	6,8			40	

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
6.00 ±0.2	6.00 ±0.2	5.30 Max	1.65 Ref	5 Ref	2.7 Ref		5.3 Ref	2.05 Ref	2.4 Ref	Fig.2

Fig.1

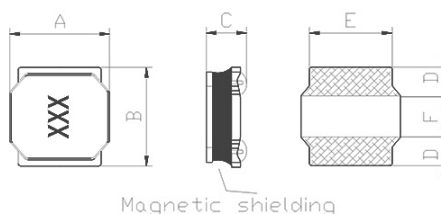


Fig.2

