

OWINR8050

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]
OWINR8050-152	6500.00	0.35	0,35			0,6	
OWINR8050-122	5800.00	0.40	0,4			0,8	
OWINR8050-102	5000.00	0.42	0,42			1,5	
OWINR8050-151	585.00	1.20	0,95			2,8	
OWINR8050-820	305.00	1.40	1,25			3,9	
OWINR8050-680	255.00	1.55	1,3			3,9	
OWINR8050-510	195.00	1.85	1,55			5	
OWINR8050-220	120.00	4.00	2,5			6,8	
OWINR8050-180	80.00	4.20	3			7,8	
OWINR8050-4R7	39.00	9.50	4,5			20	

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
8.00 ±0.3	8.00 ±0.3	5.20 Max	2.45 Ref	6.3 Ref	3.1 Ref		8.5 Ref	2.85 Ref	2.8 Ref	

