

OWINR8040

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]
OWINR8040-152	6500.00	0.32	0,26			1	
OWINR8040-102	3640.00	0.40	0,35			1,4	
OWINR8040-681	2652.00	0.50	0,45			1,7	
OWINR8040-471	1625.00	0.60	0,5			2,1	
OWINR8040-331	1156.00	0.68	0,64			2,8	
OWINR8040-221	779.00	0.85	0,8			3,5	
OWINR8040-181	676.00	0.95	0,83			3,5	
OWINR8040-151	533.00	1.10	0,85			3,5	
OWINR8040-121	434.00	1.05	0,95			3,5	
OWINR8040-101	377.00	1.15	1			4,2	
OWINR8040-910	354.00	1.20	1,05			4,9	
OWINR8040-820	293.00	1.30	1,15			5,9	
OWINR8040-750	274.00	1.35	1,2			4,9	
OWINR8040-680	255.00	1.45	1,25			4,9	
OWINR8040-620	237.00	1.50	1,3			6,4	
OWINR8040-560	192.00	1.55	1,45			6,4	
OWINR8040-510	185.00	1.70	1,5			6,4	
OWINR8040-470	177.00	1.75	1,55			6,4	
OWINR8040-430	147.00	1.90	1,65			7,8	
OWINR8040-390	139.00	1.95	1,7			7,8	
OWINR8040-360	133.00	2.00	1,75			7,8	
OWINR8040-330	126.00	2.05	1,8			7,8	
OWINR8040-270	101.00	2.15	2			9,2	

OWINR8040-220	90.00	2.40	2,1	9,5
OWINR8040-180	69.00	2.70	2,4	11
OWINR8040-150	61.00	2.95	2,6	12
OWINR8040-120	53.00	3.50	2,8	13
OWINR8040-100	38.00	3.60	3,3	15
OWINR8040-8R2	34.00	4.20	3,45	17
OWINR8040-6R8	31.00	4.55	3,6	20
OWINR8040-5R6	27.00	6.00	3,85	24
OWINR8040-6R2	27.00	4.45	3,85	20
OWINR8040-4R7	25.00	5.90	4,1	24
OWINR8040-5R1	25.00	4.70	4,05	22
OWINR8040-3R3	22.00	6.50	4,4	27
OWINR8040-3R6	22.00	7.52	4,35	30
OWINR8040-3R9	22.00	5.75	4,35	26
OWINR8040-3R0	18.00	6.10	4,7	32
OWINR8040-2R0	16.00	9.25	5,15	43
OWINR8040-2R2	16.00	7.10	5,15	41
OWINR8040-1R2	13.00	10.00	5,65	59
OWINR8040-1R5	13.00	8.15	5,65	67
OWINR8040-R82	10.00	13.80	6,3	94
OWINR8040-1R0	10.00	9.85	6,3	89

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
8.00 ±0.3	8.00 ±0.3	4.20 Max	2.45 Ref	6.3 Ref	3.1 Ref		8.5 Ref	2.85 Ref	2.8 Ref	

