

OWINR4012

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 (Incl temp 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	Inductance [µH]	DCR [mOhm]	Isat [A]	Irms [A]	Irated [mA]	Idc max [mA]	Q (min)	SRF [MHz]	Samples
OWINR4012-101	100.00	2873.00	-	0.25				9,4	Request samples
OWINR4012-820	82.00	2782.00	-	0.26				11	Request samples
OWINR4012-680	68.00	2535.00	-	0.27				11	Request samples
OWINR4012-560	56.00	1625.00	-	0.33				11	Request samples
OWINR4012-390	39.00	1430.00	1.00	0.37				16	Request samples
OWINR4012-470	47.00	1430.00	-	0.37				12	Request samples
OWINR4012-360	36.00	1170.00	-	0.40				14	Request samples
OWINR4012-330	33.00	1053.00	-	0.42				17	Request samples
OWINR4012-270	27.00	936.00	1.00	0.45				18	Request samples
OWINR4012-220	22.00	763.00	-	0.49				20	Request samples
OWINR4012-180	18.00	611.00	1.00	0.55				23	Request samples
OWINR4012-150	15.00	442.00	1.00	0.64				25	Request samples
OWINR4012-120	12.00	377.00	1.00	0.70				32	Request samples
OWINR4012-100	10.00	345.00	1.00	0.77				33	Request samples

OWINR4012-6R8	6.80	257.00	1.00	0.84	40	Request samples
OWINR4012-5R1	5.10	201.00	2.00	0.95	50	Request samples
OWINR4012-4R3	4.30	182.00	2.00	1.00	54	Request samples
OWINR4012-5R6	5.60	182.00	1.00	1.00	42	Request samples
OWINR4012-4R7	4.70	163.00	1.00	1.05	50	Request samples
OWINR4012-3R3	3.30	143.00	2.00	1.12	60	Request samples
OWINR4012-3R6	3.60	143.00	1.00	1.12	57	Request samples
OWINR4012-2R7	2.70	117.00	2.00	1.25	71	Request samples
OWINR4012-1R8	1.80	104.00	2.00	1.32	88	Request samples
OWINR4012-2R2	2.20	104.00	2.00	1.32	74	Request samples
OWINR4012-1R5	1.50	85.00	2.00	1.46	90	Request samples
OWINR4012-R82	0.82	65.00	3.00	1.65	150	Request samples
OWINR4012-1R0	1.00	65.00	3.00	1.65	120	Request samples

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
4.00	4.00	1.35	1.25	3.5	1.5		3.8	1.65	1.2	Fig.1
±0.2	±0.2	Max	Ref	Ref	Ref		Ref	Ref	Ref	

