OWINR6028

NR series

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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]
OWINR6028-102	7540.00	0.18	0,23			1,5	
OWINR6028-401	2808.00	0.30	0,4			2,8	
OWINR6028-820	650.00	0.80	0,7			7,7	
OWINR6028-101	650.00	0.65	0,7			7,1	
OWINR6028-750	533.00	0.90	0,81			7,7	
OWINR6028-680	468.00	0.80	0,86			7,7	
OWINR6028-560	449.00	1.05	0,89			8,2	
OWINR6028-470	410.00	1.15	1,06			9,5	
OWINR6028-390	293.00	1.25	1,1			11	
OWINR6028-360	280.00	1.25	1,13			11	
OWINR6028-330	241.00	1.35	1,22			12	
OWINR6028-270	202.00	1.50	1,32			13	
OWINR6028-220	182.00	1.45	1,4			14	
OWINR6028-150	163.00	1.75	1,45			18	
OWINR6028-180	156.00	1.52	1,45			15	
OWINR6028-120	104.00	1.80	1,85			18	
OWINR6028-9R1	96.00	2.55	2,15			24	
OWINR6028-100	94.00	2.04	1,95			23	
OWINR6028-8R2	72.00	2.30	2,25			24	
OWINR6028-6R2	61.00	3.05	2,4			30	
OWINR6028-6R8	61.00	2.60	2,4			27	
OWINR6028-5R1	56.00	3.20	2,6			32	
OWINR6028-4R7	39.00	3.00	3,08			35	

OWINR6028-3R3	33.00	4.15	3,48	41
OWINR6028-2R2	26.00	5.10	3,75	48
OWINR6028-2R7	26.00	3.80	3,75	48
OWINR6028-1R2	17.00	6.40	4,58	69
OWINR6028-1R5	17.00	6.00	4,58	65
OWINR6028-R82	16.00	6.50	5,2	97
OWINR6028-1R0	13.00	5.75	5,2	70

Shape and dimensions [mm]

A	B	C	D	E	F	G	H	I	J	Shape
6.00 ±0.2	6.00 ±0.2	3.00 Max	1.85 Ref	5 Ref	2.3 Ref		5.3 Ref	2.25 Ref	2 Ref	Fig.2

Fig.1

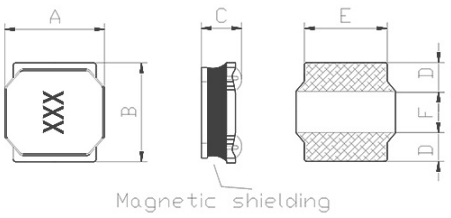

Fig.2