

WNR Series

特长及应用 Features & Applications

- 1、磁性胶水涂敷结构极大减少了蜂鸣声。
- 2、直接在磁芯上金属化电极，抗跌落冲击强，经久耐用。
- 3、闭合磁路结构设计，漏磁少，抗 EMI 能力强。
- 4、同等尺寸，额定电流特性较传统电感高出 30%以上，省空间，更少电。
- 5、用于 LED 照明、下一代多功能移动设备(移动电视和数字电影摄影机)、平板电视、蓝光 DVD、机顶盒、笔记本电脑、台式电脑、服务器、显卡、便携游戏机、个人导航系统、多媒体、汽车用品及通信设备等。

产品识别 Product Identification

WNR 3015 - 100 M - T
 (1) (2) (3) (4) (5)

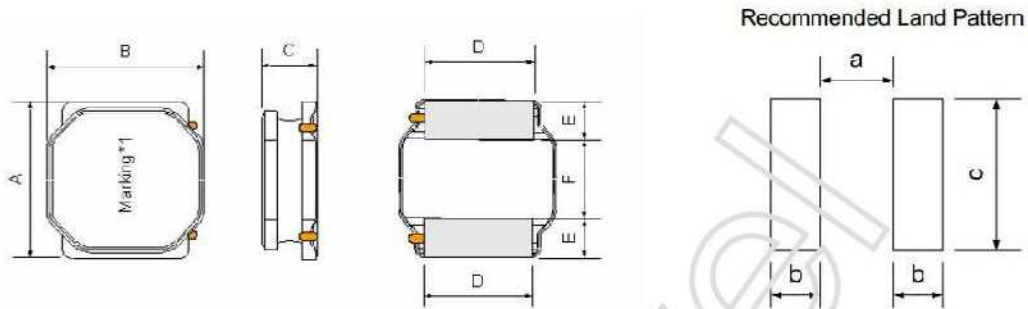
(1) 产品类型：产品代码

(2) 产品尺寸：

External Dimensions (L*W*H) [mm]	
WNR252010	2.5*2.0*1.0
WNR252012	2.5*2.0*1.2
WNR3010	3.0*3.0*1.0
WNR3012	3.0*3.0*1.2
WNR3015	3.0*3.0*1.5
WNR4010	4.0*4.0*1.0
WNR4012	4.0*4.0*1.2
WNR4018	4.0*4.0*1.8
WNR4020	4.0*4.0*2.0
WNR4030	4.0*4.0*3.0
WNR5020	5.0*5.0*2.0
WNR5040	5.0*5.0*4.0
WNR6010	6.0*6.0*1.0
WNR6020	6.0*6.0*2.0
WNR6028	6.0*6.0*2.8
WNR6045	6.0*6.0*4.5
WNR8040	8.0*8.0*4.0

- (3) 电感值: Inductance 100 for 10uH
- (4) 电感公差: Tolerance: “M”: ±20%; “L”: ±15%; “K”: ±10%
- (5) 包装方式: “T”: 载带盘装

外形和尺寸 Shape and Size (Dimensions are in mm, Tolerance: ±0.3)



Unit: mm

Series	A	B	C	D	E	F	a Typ	b Typ	c Typ
WNR252010	2.5±0.1	2.0±0.1	1.0Max	1.5±0.2	0.90±0.2	0.80±0.2	0.80	0.85	2.0
WNR252012	2.5±0.1	2.0±0.1	1.2Max	1.5±0.2	0.90±0.2	0.80±0.2	0.80	0.85	2.0
WNR3010	3.0±0.2	3.0±0.2	1.0Max	2.5±0.2	0.75±0.2	1.5±0.2	1.5	0.8	2.7
WNR3012	3.0±0.2	3.0±0.2	1.2Max	2.5±0.2	0.75±0.2	1.5±0.2	1.5	0.8	2.7
WNR3015	3.0±0.2	3.0±0.2	1.5Max	2.5±0.2	0.75±0.2	1.5±0.2	1.5	0.8	2.7
WNR4010	4.0±0.2	4.0±0.2	1.0Max	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
WNR4012	4.0±0.2	4.0±0.2	1.2Max	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
WNR4018	4.0±0.2	4.0±0.2	1.0Max	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
WNR4020	4.0±0.2	4.0±0.2	2.0Max	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
WNR4030	4.0±0.2	4.0±0.2	3.0Max	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
WNR5020	5.0±0.2	5.0±0.2	2.0Max	4.0±0.2	1.25±0.2	2.5±0.2	2.3	1.4	4.2
WNR5040	5.0±0.2	5.0±0.2	4.0Max	4.0±0.2	1.25±0.2	2.5±0.2	2.3	1.4	4.2
WNR6010	6.0±0.3	6.0±0.3	1.0Max	4.9±0.3	1.55±0.3	2.9±0.3	2.8	1.7	5.7
WNR6020	6.0±0.3	6.0±0.3	2.0Max	4.9±0.3	1.55±0.3	2.9±0.3	2.8	1.7	5.7
WNR6028	6.0±0.3	6.0±0.3	2.8Max	4.9±0.3	1.55±0.3	2.9±0.3	2.8	1.7	5.7
WNR6045	6.0±0.3	6.0±0.3	4.5Max	4.9±0.3	1.55±0.3	2.9±0.3	2.8	1.7	5.7
WNR8040	8.0±0.3	8.0±0.3	4.2Max	6.3±0.3	2.00±0.3	4.0±0.3	3.8	2.2	7.5

* Test Condition: 100KHz / 1.0V.

* Operating Temp.: -40°C ~ +125°C (Including self-generated heat)

WNR252010 TYPE

Part No.	Inductance (μ H)	Rated current ※(A)		Resistance (Ω) \pm 20%
		Saturation current Isat (max)	Temperature rise current Idc (typ)	
WNR252010-R50M	0.50	2.57	2.67	0.037
WNR252010-R68M	0.68	2.43	2.40	0.049
WNR252010-1R0M	1.0	1.89	1.98	0.068
WNR252010-1R5M	1.5	1.58	1.65	0.095
WNR252010-2R2M	2.2	1.39	1.40	0.136
WNR252010-3R3M	3.3	1.17	1.15	0.207
WNR252010-4R7M	4.7	1.08	0.99	0.269
WNR252010-6R8M	6.8	0.77	0.81	0.404
WNR252010-100M	10	0.65	0.72	0.508

WNR252012 TYPE

Part No.	Inductance (μ H)	Rated current ※(A)		Resistance (Ω) \pm 20%
		Saturation current Isat (max)	Temperature rise current Idc (typ)	
WNR252012-R47N	0.47	2.75	2.40	0.047
WNR252012-1R0N	1.0	2.20	2.15	0.073
WNR252012-1R5M	1.5	1.80	1.65	0.105
WNR252012-2R2M	2.2	1.55	1.55	0.129
WNR252012-3R3M	3.3	1.25	1.15	0.227
WNR252012-4R7M	4.7	1.05	1.08	0.338
WNR252012-6R8M	6.8	0.85	0.78	0.510
WNR252012-100M	10	0.73	0.72	0.630

WNR3010 TYPE

Part No.	Inductance (μ H)	Rated current ※(A)		Resistance (Ω) \pm 20%
		Saturation current Isat(max)	Temperature rise current Idc(typ)	
WNR3010-1R0N	1.0	1.30	1.40	0.065
WNR3010-1R5N	1.5	1.20	1.30	0.080
WNR3010-2R2M	2.2	1.10	1.10	0.095
WNR3010-3R3M	3.3	0.87	0.94	0.140
WNR3010-4R7M	4.7	0.75	0.75	0.190
WNR3010-6R8M	6.8	0.61	0.63	0.300
WNR3010-100M	10	0.50	0.51	0.450
WNR3010-150M	15	0.40	0.40	0.740
WNR3010-220M	22	0.35	0.35	1.030
WNR3010-330M	33	0.26	0.28	1.550
WNR3010-470M	47	0.22	0.24	2.050

WNR3012 TYPE

Part No.	Inductance (μ H)	Rated current ※(A)		Resistance (Ω) \pm 20%
		Saturation current Isat(max)	Temperature rise current Idc(typ)	
WNR3012-1R5N	1.5	1.36	1.40	0.060
WNR3012-2R2M	2.2	1.10	1.20	0.080
WNR3012-3R3M	3.3	0.91	1.05	0.100
WNR3012-4R7M	4.7	0.77	0.98	0.130
WNR3012-6R8M	6.8	0.67	0.74	0.190
WNR3012-100M	10	0.54	0.63	0.290
WNR3012-150M	15	0.44	0.49	0.450
WNR3012-220M	22	0.38	0.42	0.630
WNR3012-330M	33	0.31	0.33	1.030
WNR3012-470M	47	0.25	0.28	1.450

WNR3015 TYPE

Part No.	Inductance (μ H)	Rated current ※(A)		Resistance (Ω) \pm 20%
		Saturation current Isat(max)	Temperature rise current Idc(typ)	
WNR3015-1R0N	1.0	2.10	2.10	0.030
WNR3015-1R5N	1.5	1.80	1.82	0.040
WNR3015-2R2M	2.2	1.48	1.50	0.060
WNR3015-3R3M	3.3	1.21	1.23	0.080
WNR3015-4R7M	4.7	1.02	1.04	0.120
WNR3015-6R8M	6.8	0.87	0.88	0.160
WNR3015-100M	10	0.70	0.71	0.230
WNR3015-150M	15	0.56	0.56	0.360
WNR3015-220M	22	0.47	0.47	0.520
WNR3015-330M	33	0.39	0.37	0.840
WNR3015-470M	47	0.32	0.30	1.340

WNR4010 TYPE

Part No.	Inductance (μ H)	Rated current ※(A)		Resistance (Ω) \pm 20%
		Saturation current Isat(max)	Temperature rise current Idc(typ)	
WNR4010-1RONETA	1.0	1.80	1.05	0.100
WNR4010-2R2NETA	2.2	1.15	0.89	0.150
WNR4010-3R3META	3.3	1.10	0.82	0.180
WNR4010-4R7META	4.7	0.90	0.75	0.210
WNR4010-6R8META	6.8	0.74	0.62	0.300
WNR4010-100META	10	0.56	0.60	0.380
WNR4010-150META	15	0.47	0.51	0.510
WNR4010-220META	22	0.36	0.40	0.870
WNR4010-330META	33	0.28	0.30	1.540
WNR4010-470META	47	0.24	0.28	1.810

WNR4012 TYPE

Part No.	Inductance (μ H)	Rated current ※(A)		Resistance (Ω) \pm 20%
		Saturation current Isat(max)	Temperature rise current Idc(typ)	
WNR4012-1R0N	1.0	2.50	1.50	0.060
WNR4012-2R2M	2.2	1.65	1.20	0.090
WNR4012-3R3M	3.3	1.20	0.98	0.130
WNR4012-4R7M	4.7	1.05	0.96	0.140
WNR4012-6R8M	6.8	0.90	0.84	0.180
WNR4012-100M	10	0.74	0.77	0.240
WNR4012-150M	15	0.56	0.60	0.400
WNR4012-220M	22	0.51	0.54	0.480
WNR4012-330M	33	0.40	0.42	0.810
WNR4012-470M	47	0.35	0.37	1.000

WNR4018 TYPE

Part No.	Inductance (μ H)	Rated current ※(A)		Resistance (Ω) \pm 20%
		Saturation current Isat(max)	Temperature rise current Idc(typ)	
WNR4018-1R0N	1.0	4.00	1.83	0.030
WNR4018-2R2M	2.2	2.70	1.44	0.060
WNR4018-3R3M	3.3	2.00	1.23	0.070
WNR4018-4R7M	4.7	1.70	1.20	0.090
WNR4018-6R8M	6.8	1.45	1.06	0.110
WNR4018-100M	10	1.20	0.84	0.180
WNR4018-150M	15	0.94	0.65	0.250
WNR4018-220M	22	0.80	0.59	0.360
WNR4018-330M	33	0.65	0.49	0.530
WNR4018-470M	47	0.57	0.42	0.650
WNR4018-680M	68	0.47	0.32	1.000
WNR4018-101M	100	0.40	0.27	1.500
WNR4018-151M	150	0.31	0.22	2.500
WNR4018-221M	220	0.27	0.17	4.000

WNR5020 TYPE

Part No.	Inductance (μ H)	Rated current ※(A)		Resistance (Ω) \pm 20%
		Saturation current Isat(max)	Temperature rise current Idc(typ)	
WNR5020-1R0NPTH	1.0	4.00	3.60	0.021
WNR5020-1R5NPTH	1.5	3.35	3.20	0.026
WNR5020-2R2NPTH	2.2	2.90	2.90	0.035
WNR5020-3R3NPTH	3.3	2.40	2.40	0.048
WNR5020-4R7MPH	4.7	2.00	2.00	0.060
WNR5020-6R8MPH	6.8	1.60	1.65	0.090
WNR5020-100MPH	10	1.30	1.45	0.120
WNR5020-150MPH	15	1.10	1.20	0.165
WNR5020-220MPH	22	0.90	1.00	0.260

WNR5040 TYPE

Part No.	Inductance (μ H)	Rated current ※(A)		Resistance (Ω) \pm 20%
		Saturation current Isat(max)	Temperature rise current Idc(typ)	
WNR5040-1R5N	1.5	6.00	3.60	0.020
WNR5040-2R2N	2.2	4.60	3.50	0.022
WNR5040-3R3N	3.3	3.80	3.30	0.027
WNR5040-4R7N	4.7	3.30	3.10	0.029
WNR5040-6R8M	6.8	2.60	2.30	0.049
WNR5040-100M	10	2.30	2.10	0.056
WNR5040-150M	15	2.00	1.80	0.080
WNR5040-220M	22	1.60	1.40	0.126
WNR5040-330M	33	1.30	1.20	0.180
WNR5040-470M	47	1.10	0.90	0.310

WNR6010 TYPE

Part No.	Inductance (μ H)	Rated current ※(A)		Resistance (Ω) \pm 20%
		Saturation current Isat (max)	Temperature rise current Idc (typ)	
WNR6010-1R5M	1.5	2.40	1.90	0.090
WNR6010-2R2M	2.2	1.90	1.70	0.110
WNR6010-3R3M	3.3	1.60	1.50	0.135
WNR6010-4R7M	4.7	1.40	1.40	0.165
WNR6010-6R8M	6.8	1.20	1.00	0.220
WNR6010-100M	10	1.00	0.85	0.270

WNR6020 TYPE

Part No.	Inductance (μ H)	Rated current ※(A)		Resistance (Ω) \pm 20%
		Saturation current Isat (max)	Temperature rise current Idc (typ)	
WNR6020-1R5N	1.5	4.00	3.20	0.026
WNR6020-2R2N	2.2	3.20	2.70	0.034
WNR6020-3R3N	3.3	2.80	2.60	0.040
WNR6020-4R7N	4.7	2.40	2.00	0.058
WNR6020-6R8N	6.8	2.00	1.80	0.085
WNR6020-100M	10	1.70	1.40	0.125
WNR6020-220M	22	1.05	0.95	0.290

WNR6028 TYPE

Part No.	Inductance (μ H)	Rated current ※(A)		Resistance (Ω) \pm 20%
		Saturation current Isat (max)	Temperature rise current Idc (typ)	
WNR6028-1R5N	1.5	5.00	4.20	0.016
WNR6028-2R2N	2.2	4.20	3.70	0.020
WNR6028-3R0N	3.0	3.60	3.40	0.023
WNR6028-4R7M	4.7	2.70	3.00	0.031
WNR6028-6R0M	6.0	2.50	2.50	0.040
WNR6028-100M	10	1.90	1.90	0.065
WNR6028-150M	15	1.60	1.80	0.095
WNR6028-220M	22	1.30	1.40	0.135

WNR6045 TYPE

Part No.	Inductance (μ H)	Rated current ※(A)		Resistance (Ω) \pm 20%
		Saturation current Isat (max)	Temperature rise current Idc (typ)	
WNR6045-1R0N	1.0	8.50	4.20	0.014
WNR6045-1R3N	1.3	8.00	4.00	0.016
WNR6045-1R8N	1.8	7.00	3.70	0.018
WNR6045-2R3N	2.3	6.00	3.50	0.021
WNR6045-3R0N	3.0	5.00	3.20	0.024
WNR6045-4R5M	4.5	4.00	3.00	0.031
WNR6045-6R3M	6.3	3.80	2.50	0.038
WNR6045-100M	10	3.00	2.50	0.047
WNR6045-150M	15	2.30	1.90	0.077
WNR6045-220M	22	1.90	1.50	0.115
WNR6045-330M	33	1.50	1.40	0.145
WNR6045-470M	47	1.30	1.10	0.220
WNR6045-680M	68	1.00	0.90	0.330
WNR6045-101M	100	0.80	0.70	0.500

WNR8040 TYPE

Part No.	Inductance (μ H)	Rated current ※(A)		Resistance (Ω) \pm 20%
		Saturation current Isat (max)	Temperature rise current Idc (typ)	
WNR8040-1R4N	1.4	9.00	7.00	0.007
WNR8040-2R0N	2.0	7.40	6.30	0.009
WNR8040-3R6N	3.6	5.30	4.90	0.015
WNR8040-4R7N	4.7	4.70	4.10	0.018
WNR8040-6R8N	6.8	4.00	3.70	0.025
WNR8040-100M	10	3.40	3.10	0.034
WNR8040-150M	15	2.70	2.40	0.050
WNR8040-220M	22	2.20	2.20	0.066
WNR8040-330M	33	1.90	1.70	0.100
WNR8040-470M	47	1.50	1.40	0.150
WNR8040-680M	68	1.20	1.10	0.230
WNR8040-101M	100	1.00	1.00	0.290