

YNR 系列功率电感器

■ 特性: *Features*

- 磁屏蔽结构，有效降低噪音；
- 磁芯电极金属化，优异的抗冲击性，经久耐用；
- 闭合磁路设计，漏磁少，抗 EMI 能力强；

■ 应用范围: *Applications*

- LED 照明；
- 平板电视、蓝光 DVD、机顶盒；
- 电脑、便携式游戏机、个人导航系统及个人多媒体；
- 汽车系统；
- 手机及其它通信设备。

■ 产品标识: *Product Identification*

$\frac{\text{YNR}}{(1)} \quad \frac{\square\square\square\square}{(2)} - \frac{\square\square\square}{(3)} \quad \frac{\square}{(4)}$

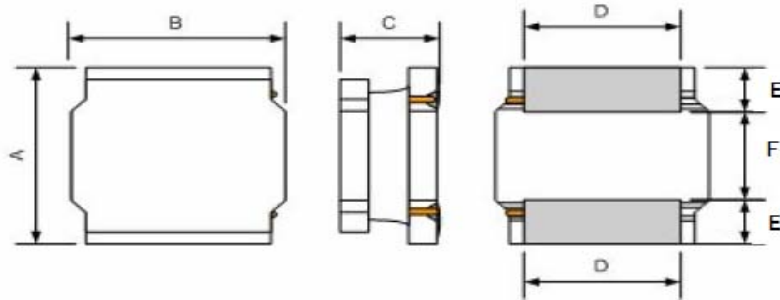
(1): 产品系列号: YNR 指益嘉源磁胶电感器系列；

(2): 产品尺寸；

(3): 电感值；

(4): 感值误差: N=±30%, M=±20%；

■ 尺寸(单位: mm)



TYPE	A	B	C	D	E	F
YNR2510	2.5 ± 0.2	2.0 ± 0.2	1.0 Max	1.5 ± 0.2	0.8 ± 0.2	0.8 ± 0.2
YNR2512	2.5 ± 0.2	2.0 ± 0.2	1.2 Max	1.5 ± 0.2	0.8 ± 0.2	0.8 ± 0.2
YNR3010	3.0 ± 0.2	3.0 ± 0.2	1.0 Max	2.5 ± 0.2	0.75 ± 0.2	1.5 ± 0.2
YNR3012	3.0 ± 0.2	3.0 ± 0.2	1.2 Max	2.5 ± 0.2	0.75 ± 0.2	1.5 ± 0.2
YNR3015	3.0 ± 0.2	3.0 ± 0.2	1.5 Max	2.5 ± 0.2	0.75 ± 0.2	1.5 ± 0.2
YNR4010	4.0 ± 0.2	4.0 ± 0.2	1.0 Max	3.3 ± 0.2	0.95 ± 0.2	2.1 ± 0.2
YNR4012	4.0 ± 0.2	4.0 ± 0.2	1.2 Max	3.3 ± 0.2	0.95 ± 0.2	2.1 ± 0.2
YNR4018	4.0 ± 0.2	4.0 ± 0.2	1.8 Max	3.3 ± 0.2	0.95 ± 0.2	2.1 ± 0.2
YNR4020	4.0 ± 0.2	4.0 ± 0.2	2.0 Max	3.3 ± 0.2	0.95 ± 0.2	2.1 ± 0.2
YNR4026	4.0 ± 0.2	4.0 ± 0.2	2.6 Max	3.3 ± 0.2	0.95 ± 0.2	2.1 ± 0.2
YNR4030	4.0 ± 0.2	4.0 ± 0.2	3.0 Max	3.3 ± 0.2	0.95 ± 0.2	2.1 ± 0.2
YNR5012	5.0 ± 0.2	5.0 ± 0.2	1.2 Max	4.0 ± 0.2	1.25 ± 0.2	2.5 ± 0.2
YNR5020	5.0 ± 0.2	5.0 ± 0.2	2.0 Max	4.0 ± 0.2	1.25 ± 0.2	2.5 ± 0.2
YNR5040	5.0 ± 0.2	5.0 ± 0.2	4.0 Max	4.0 ± 0.2	1.25 ± 0.2	2.5 ± 0.2
YNR6012	6.0 ± 0.2	6.0 ± 0.2	1.2 Max	4.9 ± 0.2	1.55 ± 0.2	2.9 ± 0.2
YNR6020	6.0 ± 0.3	6.0 ± 0.3	2.0 Max	4.9 ± 0.3	1.55 ± 0.3	2.9 ± 0.3
YNR6028	6.0 ± 0.3	6.0 ± 0.3	2.8 Max	4.9 ± 0.3	1.55 ± 0.3	2.9 ± 0.3
YNR6040	6.0 ± 0.3	6.0 ± 0.3	4.0 Max	4.9 ± 0.3	1.55 ± 0.3	2.9 ± 0.3
YNR6045	6.0 ± 0.3	6.0 ± 0.3	4.5 Max	4.9 ± 0.3	1.55 ± 0.3	2.9 ± 0.3
YNR8040	8.0 ± 0.3	8.0 ± 0.3	4.2 Max	6.3 ± 0.3	2.00 ± 0.3	4.0 ± 0.3
YNR8065	8.0 ± 0.3	8.0 ± 0.3	6.5 Max	6.3 ± 0.3	2.00 ± 0.3	4.0 ± 0.3

■ YNR2510 series

Part Number	Inductance (uH) @100KHZ 1V	DCR (mΩ)		Rated Current※ (A)	
		「Typ.」	「Max」	Temperature Current	Saturation Current
YNR2510-R47□	0.47	47	56	2.35	2.50
YNR2510-R68□	0.68	62	74	2.00	2.20
YNR2510-1R0□	1.0	90	108	1.65	1.85
YNR2510-1R5□	1.5	152	182	1.30	1.80
YNR2510-2R2□	2.2	174	209	1.20	1.20
YNR2510-3R3□	3.3	273	328	0.90	1.05
YNR2510-4R7□	4.7	469	563	0.70	0.95
YNR2510-5R6□	5.6	469	563	0.73	0.80
YNR2510-6R8□	6.8	747	896	0.59	0.78
YNR2510-100□	10	910	1092	0.50	0.65

■ YNR2512 series

Part Number	Inductance (uH) @100KHZ 1V	DCR (mΩ)		Rated Current※ (A)	
		「Typ.」	「Max」	Temperature Current	Saturation Current
YNR2512-R47□	0.47	47	56	2.15	3.82
YNR2512-R68□	0.68	57	68	1.95	3.28
YNR2512-1R0□	1.0	69	83	1.93	2.59
YNR2512-1R5□	1.5	113	136	1.40	2.24
YNR2512-2R2□	2.2	166	199	1.15	1.85
YNR2512-2R7□	2.7	184	239	1.09	1.72
YNR2512-3R3□	3.3	203	244	1.04	1.61
YNR2512-4R7□	4.7	290	348	0.84	1.12
YNR2512-5R6□	5.6	414	497	0.73	1.11
YNR2512-6R8□	6.8	447	536	0.69	0.98
YNR2512-8R2□	8.2	506	658	0.65	0.98
YNR2512-100□	10	531	637	0.62	0.79
YNR2512-120□	12	827	1075	0.51	0.78
YNR2512-150□	15	1224	1469	0.42	0.68
YNR2512-220□	22	1520	1824	0.38	0.53

■ YNR3010 series

Part Number	Inductance (uH) @100KHZ 1V	DCR (mΩ)		Rated Current※(A)	
		[Typ.]	[Max]	Temperature Current	Saturation Current
YNR3010-1R0□	1.0	65	85	1.45	1.40
YNR3010-1R5□	1.5	80	104	1.30	1.27
YNR3010-2R2□	2.2	110	143	1.09	1.15
YNR3010-3R3□	3.3	145	189	0.96	0.97
YNR3010-3R6□	3.6	165	215	0.90	0.95
YNR3010-4R7□	4.7	225	293	0.77	0.75
YNR3010-5R6□	5.6	248	322	0.70	0.58
YNR3010-6R8□	6.8	305	397	0.66	0.55
YNR3010-8R2□	8.2	400	520	0.58	0.55
YNR3010-100□	10	400	520	0.58	0.55
YNR3010-120□	12	505	657	0.52	0.43
YNR3010-150□	15	610	793	0.47	0.42
YNR3010-220□	22	930	1209	0.38	0.35
YNR3010-270□	27	1080	1404	0.35	0.30
YNR3010-330□	33	1550	2015	0.30	0.29
YNR3010-390□	39	1750	2275	0.28	0.28
YNR3010-470□	47	1950	2535	0.26	0.22
YNR3010-560□	56	2320	3016	0.24	0.21

■ YNR3012 series

Part Number	Inductance (uH) @100KHZ 1V	DCR (mΩ)		Rated Current※(A)	
		[Typ.]	[Max]	Temperature Current	Saturation Current
YNR3012-R22□	0.22	17	22	3.00	5.30
YNR3012-R82□	0.82	30	39	2.47	2.05
YNR3012-1R0□	1.0	40	52	2.20	1.87
YNR3012-1R5□	1.5	45	59	2.01	1.62
YNR3012-2R2□	2.2	75	98	1.55	1.20
YNR3012-2R7□	2.7	85	110	1.48	1.14
YNR3012-3R3□	3.3	100	130	1.36	1.05

■ *YNR3012 series*

Part Number	Inductance (uH) @100KHZ 1V	DCR (mΩ)		Rated Current※ (A)	
		「Typ.」	「Max」	Temperature Current	Saturation Current
YNR3012-4R7□	4.7	120	156	1.24	0.90
YNR3012-5R6□	5.6	174	226	1.13	0.80
YNR3012-6R8□	6.8	190	247	0.98	0.75
YNR3012-100□	10	265	345	0.83	0.60
YNR3012-120□	12	345	449	0.73	0.48
YNR3012-150□	15	360	468	0.71	0.45
YNR3012-180□	18	545	709	0.58	0.43
YNR3012-220□	22	645	839	0.53	0.42
YNR3012-270□	27	870	1131	0.47	0.35
YNR3012-330□	33	875	1138	0.46	0.36
YNR3012-470□	47	1450	1885	0.35	0.27
YNR3012-560□	56	1380	1794	0.28	0.26
YNR3012-680□	68	1670	2171	0.33	0.24
YNR3012-820□	82	2540	3302	0.27	0.17
YNR3012-101□	100	2860	3718	0.25	0.21

■ *YNR3015 series*

Part Number	Inductance (uH) @100KHZ 1V	DCR (mΩ)		Rated Current※ (A)	
		「Typ.」	「Max」	Temperature Current	Saturation Current
YNR3015-R50□	0.5	30	39	2.60	3.90
YNR3015-1R0□	1.0	30	39	2.35	2.32
YNR3015-1R5□	1.5	50	65	1.70	2.30
YNR3015-2R2□	2.2	60	78	1.60	1.60
YNR3015-2R7□	2.7	75	98	1.43	1.52
YNR3015-3R3□	3.3	80	104	1.36	1.32
YNR3015-4R7□	4.7	125	163	1.09	1.10
YNR3015-6R8□	6.8	200	260	0.85	0.85
YNR3015-100□	10	250	325	0.77	0.72
YNR3015-120□	12	320	416	0.68	0.70

■ *YNR3015 series*

Part Number	Inductance (uH) @100KHZ 1V	DCR(mΩ)		Rated Current※(A)	
		[Typ.]	[Max]	Temperature Current	Saturation Current
YNR3015-150□	15	350	455	0.65	0.66
YNR3015-180□	18	430	559	0.59	0.56
YNR3015-220□	22	460	598	0.57	0.52
YNR3015-270□	27	730	949	0.45	0.48
YNR3015-330□	33	820	1066	0.43	0.44
YNR3015-390□	39	995	1294	0.39	0.41
YNR3015-470□	47	1250	1625	0.35	0.35
YNR3015-560□	56	1280	1664	0.34	0.33
YNR3015-680□	68	2700	3510	0.23	0.28
YNR3015-101□	100	3110	4043	0.21	0.23
YNR3015-151□	150	3800	4940	0.19	0.18

■ *YNR4010 series*

Part Number	Inductance (uH) @100KHZ 1V	DCR(mΩ)		Rated Current※(A)	
		[Typ.]	[Max]	Temperature Current	Saturation Current
YNR4010-1R0□	1.0	56	67	1.90	2.00
YNR4010-1R5□	1.5	70	84	1.70	1.68
YNR4010-2R2□	2.2	85	102	1.50	1.20
YNR4010-3R3□	3.3	100	120	1.40	1.10
YNR4010-4R7□	4.7	140	168	1.20	0.95
YNR4010-6R8□	6.8	200	240	1.00	0.80
YNR4010-100□	10	300	360	0.75	0.62
YNR4010-150□	15	430	516	0.60	0.54
YNR4010-220□	22	570	684	0.50	0.45

■ YNR4012 series

Part Number	Inductance (uH) @100KHZ 1V	DCR (mΩ)		Rated Current※ (A)	
		[Typ.]	[Max]	Temperature Current	Saturation Current
YNR4012-R82□	0.82	50	65	1.65	3.02
YNR4012-1R0□	1.0	50	65	1.65	2.61
YNR4012-1R5□	1.5	65	85	1.46	2.10
YNR4012-1R8□	1.8	80	104	1.32	2.12
YNR4012-2R2□	2.2	80	104	1.32	1.76
YNR4012-2R7□	2.7	90	117	1.25	1.90
YNR4012-3R3□	3.3	110	143	1.12	1.72
YNR4012-4R7□	4.7	125	163	1.05	1.15
YNR4012-5R6□	5.6	140	182	1.00	1.00
YNR4012-6R8□	6.8	198	257	0.84	0.85
YNR4012-100□	10	265	345	0.77	0.80
YNR4012-120□	12	290	377	0.70	0.66
YNR4012-150□	15	340	442	0.64	0.56
YNR4012-180□	18	470	611	0.55	0.55
YNR4012-220□	22	587	763	0.49	0.46
YNR4012-270□	27	720	936	0.45	0.50
YNR4012-330□	33	810	1053	0.42	0.42
YNR4012-390□	39	1100	1430	0.37	0.55
YNR4012-470□	47	1100	1430	0.37	0.35
YNR4012-560□	56	1250	1625	0.33	0.33
YNR4012-680□	68	1950	2535	0.27	0.38
YNR4012-820□	82	2140	2782	0.26	0.28
YNR4012-101□	100	2210	2873	0.25	0.25

■ YNR4018 series

Part Number	Inductance (uH) @100KHZ 1V	DCR (mΩ)		Rated Current※ (A)	
		[Typ.]	[Max]	Temperature Current	Saturation Current
YNR4018-R47□	0.47	14	18	4.00	4.30
YNR4018-R68□	0.68	20	26	3.30	4.90
YNR4018-1R0□	1.0	25	33	2.00	4.80
YNR4018-1R5□	1.5	30	39	1.80	3.35
YNR4018-1R8□	1.8	34	44	2.00	3.00
YNR4018-2R2□	2.2	45	59	1.65	2.70
YNR4018-3R3□	3.3	70	91	1.23	2.45
YNR4018-4R7□	4.7	90	117	1.20	1.70
YNR4018-6R8□	6.8	110	143	1.06	1.45
YNR4018-100□	10	180	234	0.84	1.30
YNR4018-150□	15	250	325	0.65	0.94
YNR4018-220□	22	360	468	0.59	0.80
YNR4018-270□	27	470	611	0.52	0.47
YNR4018-330□	33	530	689	0.49	0.56
YNR4018-470□	47	650	845	0.42	0.57
YNR4018-680□	68	1000	1300	0.32	0.47
YNR4018-101□	100	1750	2.275	0.25	0.40
YNR4018-151□	150	2500	3250	0.22	0.31
YNR4018-221□	220	4000	5200	0.17	0.27

■ YNR4020 series

Part Number	Inductance (uH) @100KHZ 1V	DCR (mΩ)		Rated Current※ (A)	
		[Typ.]	[Max.]	Temperature Current	Saturation Current
YNR4020-R24□	0.24	11	14	4.50	10.5
YNR4020-R33□	0.33	13	16	3.30	7.50
YNR4020-R47□	0.47	22	29	3.30	7.00
YNR4020-R68□	0.68	28	36	2.80	6.40
YNR4020-1R0□	1.0	29	38	2.15	4.78
YNR4020-1R2□	1.2	29	38	2.15	5.10
YNR4020-1R5□	1.5	35	46	1.98	4.45
YNR4020-2R2□	2.2	40	52	1.85	3.40
YNR4020-3R3□	3.3	70	91	1.40	3.20
YNR4020-4R7□	4.7	75	98	1.34	2.35
YNR4020-5R6□	5.6	90	117	1.22	2.20
YNR4020-6R8□	6.8	125	163	1.04	2.20
YNR4020-8R2□	8.2	125	163	1.04	1.75
YNR4020-100□	10	165	215	0.90	1.60
YNR4020-120□	12	175	228	0.88	1.50
YNR4020-150□	15	230	299	0.77	1.35
YNR4020-220□	22	350	455	0.62	1.05
YNR4020-270□	27	545	709	0.50	1.02
YNR4020-330□	33	550	715	0.49	0.85
YNR4020-390□	39	650	845	0.46	0.82
YNR4020-470□	47	710	923	0.44	0.74
YNR4020-560□	56	800	1040	0.41	0.66
YNR4020-680□	68	1060	1380	0.36	0.61
YNR4020-820□	82	1170	1520	0.34	0.50
YNR4020-101□	100	1550	2020	0.31	0.48

■ *YNR4026 series*

Part Number	Inductance (uH) @100KHZ 1V	DCR(mΩ)		Rated Current※(A)	
		[Typ.]	[Max]	Temperature Current	Saturation Current
YNR4026-1R0□	1.0	24	31	3.00	3.30
YNR4026-1R5□	1.5	30	39	2.30	2.40
YNR4026-2R2□	2.2	40	52	2.00	2.10
YNR4026-3R3□	3.3	50	65	1.70	1.80
YNR4026-4R7□	4.7	55	72	1.60	1.45
YNR4026-6R8□	6.8	65	85	1.50	1.30
YNR4026-100□	10	85	110	1.30	1.00
YNR4026-150□	15	110	143	1.10	0.90
YNR4026-220□	22	165	214	0.90	0.60
YNR4026-330□	33	270	351	0.70	0.55
YNR4026-470□	47	300	390	0.65	0.40

■ *YNR4030 series*

Part Number	Inductance (uH) @100KHZ 1V	DCR(mΩ)		Rated Current※(A)	
		[Typ.]	[Max]	Temperature Current	Saturation Current
YNR4030-R68□	0.68	10	13	4.56	6.80
YNR4030-R91□	0.91	13	17	4.15	6.25
YNR4030-1R0□	1.0	14	18	4.15	5.26
YNR4030-1R2□	1.2	15	20	3.82	5.80
YNR4030-1R5□	1.5	20	26	3.34	4.84
YNR4030-1R8□	1.8	25	33	3.20	5.40
YNR4030-2R2□	2.2	30	39	2.95	5.80
YNR4030-3R3□	3.3	40	52	2.40	3.30
YNR4030-3R9□	3.9	57	74	2.10	3.00

■ YNR4030 series

Part Number	Inductance (uH) @100KHZ 1V	DCR (mΩ)		Rated Current※ (A)	
		[Typ.]	[Max.]	Temperature Current	Saturation Current
YNR4030-4R7□	4.7	60	78	2.00	2.90
YNR4030-5R6□	5.6	65	85	1.95	2.60
YNR4030-6R8□	6.8	90	117	1.60	2.75
YNR4030-8R2□	8.2	90	117	1.60	2.10
YNR4030-100□	10	100	130	1.50	1.95
YNR4030-120□	12	135	175	1.30	1.70
YNR4030-150□	15	190	247	1.11	1.65
YNR4030-180□	18	200	260	1.10	1.40
YNR4030-220□	22	225	292	1.00	1.30
YNR4030-270□	27	260	338	0.90	1.15
YNR4030-330□	33	330	429	0.84	1.10
YNR4030-390□	39	435	566	0.73	1.03
YNR4030-470□	47	445	579	0.72	0.95
YNR4030-560□	56	555	722	0.65	0.85
YNR4030-680□	68	868	1128	0.52	0.72
YNR4030-820□	82	1060	1378	0.47	0.66
YNR4030-910□	91	1100	1430	0.46	0.65
YNR4030-101□	100	1150	1495	0.45	0.60
YNR4030-121□	120	1350	1755	0.42	0.55
YNR4030-151□	150	1800	2340	0.55	0.50
YNR4030-221□	220	2500	3250	0.35	0.40
YNR4030-331□	330	4000	5200	0.25	0.30
YNR4030-471□	470	7200	9360	0.20	0.30
YNR4030-681□	680	7580	9854	0.14	0.19

■ *YNR5012 series*

Part Number	Inductance (uH) @100KHZ 1V	DCR(mΩ)		Rated Current※(A)	
		[Typ.]	[Max]	Temperature Current	Saturation Current
YNR5012-R22□	0.22	28	34	3.00	8.10
YNR5012-1R0□	0.24	57	68	2.00	4.40
YNR5012-1R5□	1.5	72	86	1.90	3.70
YNR5012-2R2□	2.2	90	108	1.70	3.10
YNR5012-3R3□	3.3	126	151	1.40	2.40
YNR5012-4R7□	4.7	164	197	1.30	2.20
YNR5012-6R8□	6.8	245	294	1.00	1.70
YNR5012-100□	10	344	413	0.85	1.40
YNR5012-150□	15	436	523	0.80	1.20
YNR5012-220□	22	780	858	0.60	0.88

■ *YNR5020 series*

Part Number	Inductance (uH) @100KHZ 1V	DCR(mΩ)		Rated Current※(A)	
		[Typ.]	[Max]	Temperature Current	Saturation Current
YNR5020-R22□	0.22	9	11	5.30	9.00
YNR5020-R47□	0.47	13	17	4.60	6.15
YNR5020-R56□	0.56	17	22	3.80	8.50
YNR5020-R68□	0.68	17	22	4.00	5.50
YNR5020-1R0□	1.0	20	26	3.80	5.00
YNR5020-1R5□	1.5	26	34	3.20	4.10
YNR5020-2R2□	2.2	32	42	2.90	3.20
YNR5020-2R7□	2.7	38	49	2.70	2.90
YNR5020-3R3□	3.3	43	56	2.50	2.55
YNR5020-4R7□	4.7	57	74	2.20	2.50
YNR5020-5R6□	5.6	64	83	2.05	2.30
YNR5020-6R8□	6.8	83	108	1.80	2.05

■ YNR5020 series

Part Number	Inductance (uH) @100KHZ 1V	DCR(mΩ)		Rated Current※(A)	
		[Typ.]	[Max]	Temperature Current	Saturation Current
YNR5020-8R2□	8.2	98	127	1.65	1.85
YNR5020-9R1□	9.1	110	143	1.55	1.70
YNR5020-100□	10	110	143	1.55	1.80
YNR5020-120□	12	140	182	1.40	1.50
YNR5020-150□	15	165	215	1.25	1.35
YNR5020-180□	18	200	260	1.15	1.25
YNR5020-220□	22	226	294	1.10	1.15
YNR5020-330□	33	390	507	0.90	0.92
YNR5020-470□	47	523	680	0.77	0.77
YNR5020-560□	56	630	819	0.70	0.77
YNR5020-680□	68	740	962	0.64	0.65
YNR5020-820□	82	965	1158	0.50	0.65
YNR5020-101□	100	1100	1430	0.53	0.53
YNR5020-121□	120	1350	1755	0.40	0.42

■ YNR5040 series

Part Number	Inductance (uH) @100KHZ 1V	DCR(mΩ)		Rated Current※(A)	
		[Typ.]	[Max]	Temperature Current	Saturation Current
YNR5040-R22□	0.22	6	8	6.500	18.000
YNR5040-R47□	0.47	7	9	6.600	10.000
YNR5040-1R0□	1.0	12	16	4.900	7.350
YNR5040-1R5□	1.5	15	20	4.300	6.300
YNR5040-1R8□	1.8	16	21	4.150	5.500
YNR5040-2R2□	2.2	19	25	3.800	4.900
YNR5040-2R7□	2.7	22	29	3.600	4.300
YNR5040-3R3□	3.3	24	31	3.400	3.950
YNR5040-3R6□	3.6	26	34	3.300	3.800
YNR5040-3R9□	3.9	27	35	3.200	3.550
YNR5040-4R7□	4.7	30	39	3.000	3.500

■ YNR5040 series

Part Number	Inductance (uH) @100KHZ 1V	DCR (mΩ)		Rated Current※ (A)	
		[Typ.]	[Max]	Temperature Current	Saturation Current
YNR5040-5R6□	5.6	35	46	2.800	3.000
YNR5040-6R8□	6.8	43	56	2.500	2.900
YNR5040-8R2□	8.2	48	62	2.300	2.700
YNR5040-100□	10	64	83	2.100	2.350
YNR5040-120□	12	77	100	2.000	2.200
YNR5040-150□	15	86	112	2.000	2.000
YNR5040-180□	18	119	155	1.450	1.700
YNR5040-220□	22	129	168	1.500	1.600
YNR5040-270□	27	188	244	1.100	1.520
YNR5040-330□	33	188	244	1.200	1.300
YNR5040-470□	47	272	354	1.000	1.100
YNR5040-560□	56	380	494	0.800	1.050
YNR5040-680□	68	400	520	0.800	0.900
YNR5040-101□	100	560	728	0.700	0.750
YNR5040-151□	150	750	975	0.600	0.650
YNR5040-221□	220	1400	1820	0.400	0.480
YNR5040-331□	330	2100	2730	0.400	0.420
YNR5040-471□	470	3000	3900	0.350	0.370
YNR5040-561□	560	3780	4920	0.310	0.310
YNR5040-681□	680	3900	5070	0.250	0.300
YNR5040-102□	1000	6000	7800	0.200	0.210
YNR5040-332□	3300	21000	25200	0.100	0.140
YNR5040-392□	3900	23500	30550	0.100	0.125
YNR5040-472□	4700	35000	45500	0.080	0.110
YNR5040-562□	5600	39000	50700	0.080	0.105
YNR5040-682□	6800	43000	55900	0.075	0.090
YNR5040-822□	82000	43000	55900	0.075	0.070
YNR5040-103□	10000	45000	58500	0.075	0.065

■ YNR6020 series

Part Number	Inductance (uH) @100KHZ 1V	DCR (mΩ)		Rated Current※ (A)	
		[Typ.]	[Max]	Temperature Current	Saturation Current
YNR6020-R50□	0.50	14	18	4.00	4.50
YNR6020-R68□	0.68	17	22	3.80	6.55
YNR6020-R82□	0.82	17	22	3.80	5.30
YNR6020-1R0□	1.0	20	20	3.50	4.15
YNR6020-1R5□	1.5	22	29	3.20	4.25
YNR6020-1R8□	1.8	28	36	2.75	4.85
YNR6020-2R2□	2.2	28	36	2.75	3.75
YNR6020-2R7□	2.7	35	46	2.60	3.90
YNR6020-3R3□	3.3	35	46	2.60	3.15
YNR6020-3R9□	3.9	49	64	2.10	3.25
YNR6020-4R7□	4.7	58	75	2.00	3.00
YNR6020-5R6□	5.6	58	75	1.90	2.40
YNR6020-6R8□	6.8	79	103	1.80	2.20
YNR6020-8R2□	8.2	105	137	1.40	2.10
YNR6020-100□	10	105	137	1.40	1.75
YNR6020-120□	12	120	156	1.30	1.45
YNR6020-150□	15	145	189	1.20	1.20
YNR6020-180□	18	180	234	1.08	1.20
YNR6020-220□	22	204	265	1.00	1.05
YNR6020-330□	33	300	390	0.84	0.95
YNR6020-470□	47	430	559	0.80	0.70
YNR6020-331□	330	2630	3416	0.33	0.27

■ YNR6028 series

Part Number	Inductance (uH) @100KHZ 1V	DCR (mΩ)		Rated Current※ (A)	
		[Typ.]	[Max.]	Temperature Current	Saturation Current
YNR6028-R82□	0.82	12	16	5.20	6.50
YNR6028-1R0□	1.0	10	13	5.20	5.75
YNR6028-1R5□	1.5	13	17	4.58	6.00
YNR6028-2R2□	2.2	20	26	3.75	5.10
YNR6028-2R7□	2.7	20	26	3.75	3.80
YNR6028-3R3□	3.3	25	33	3.48	4.15
YNR6028-4R7□	4.7	30	39	3.08	3.00
YNR6028-6R8□	6.8	47	61	2.40	2.60
YNR6028-8R2□	8.2	55	72	2.25	2.30
YNR6028-9R1□	9.1	74	96	2.15	2.55
YNR6028-100□	10	72	94	1.95	2.04
YNR6028-120□	12	80	104	1.85	1.80
YNR6028-150□	15	125	163	1.45	1.75
YNR6028-180□	18	120	156	1.45	1.52
YNR6028-220□	22	140	182	1.40	1.45
YNR6028-270□	27	155	202	1.32	1.50
YNR6028-330□	33	185	241	1.22	1.35
YNR6028-390□	39	225	293	1.10	1.25
YNR6028-470□	47	315	410	1.06	1.15
YNR6028-560□	56	345	449	0.89	1.05
YNR6028-680□	68	360	468	0.86	0.80
YNR6028-820□	82	500	650	0.70	0.8
YNR6028-101□	100	500	650	0.70	0.65
YNR6028-102□	1000	5800	7540	0.23	0.18

■ YNR6040 series

Part Number	Inductance (uH) @100KHZ 1V	DCR(mΩ)		Rated Current※(A)	
		[Typ.]	[Max]	Temperature Current	Saturation Current
YNR6040-1R0□	1.0	8	10	6.30	7.85
YNR6040-100□	10	48	62	2.45	3.20
YNR6040-120□	12	58	75	2.20	2.80
YNR6040-150□	15	68	88	2.05	2.50
YNR6040-220□	22	89	116	1.80	2.05
YNR6040-330□	33	137	178	1.45	1.65
YNR6040-680□	68	285	370	0.95	1.15
YNR6040-471□	470	1790	2500	0.47	0.42

■ YNR6045 series

Part Number	Inductance (uH) @100KHZ 1V	DCR(mΩ)		Rated Current※(A)	
		[Typ.]	[Max]	Temperature Current	Saturation Current
YNR6045-R47□	0.47	6	8	6.50	15.00
YNR6045-R56□	0.56	6	8	6.50	14.00
YNR6045-R68□	0.68	6	8	5.70	11.00
YNR6045-R82□	0.82	8	10	5.90	10.35
YNR6045-1R0□	1.0	11	14	5.14	9.85
YNR6045-1R5□	1.5	12	16	4.95	8.80
YNR6045-1R8□	1.8	12	16	4.95	7.60
YNR6045-2R2□	2.2	14	18	4.60	6.75
YNR6045-2R7□	2.7	15	20	4.30	5.75
YNR6045-3R3□	3.3	21	27	3.70	5.90
YNR6045-4R7□	4.7	26	34	3.30	4.97
YNR6045-5R6□	5.6	29	38	3.15	4.15
YNR6045-6R8□	6.8	31	40	3.00	3.90
YNR6045-8R2□	8.2	43	56	2.60	3.90
YNR6045-9R1□	9.1	43	56	2.60	3.35

■ YNR6045 series

Part Number	Inductance (uH) @100KHZ 1V	DCR(mΩ)		Rated Current※(A)	
		[Typ.]	[Max.]	Temperature Current	Saturation Current
YNR6045-100□	10	48	62	2.45	3.20
YNR6045-120□	12	58	75	2.20	2.80
YNR6045-150□	15	68	88	2.05	2.50
YNR6045-180□	18	81	105	1.85	2.20
YNR6045-220□	22	89	116	1.80	2.05
YNR6045-270□	27	102	133	1.65	1.90
YNR6045-330□	33	137	178	1.45	1.65
YNR6045-360□	36	173	225	1.40	1.62
YNR6045-390□	39	180	234	1.25	1.50
YNR6045-470□	47	200	260	1.20	1.40
YNR6045-560□	56	221	287	1.10	1.30
YNR6045-680□	68	289	376	1.00	1.20
YNR6045-820□	82	341	443	0.90	1.05
YNR6045-910□	91	359	467	0.85	1.00
YNR6045-101□	100	433	563	0.80	0.95
YNR6045-121□	120	484	629	0.77	0.85
YNR6045-151□	150	580	754	0.70	0.80
YNR6045-221□	220	834	1084	0.59	0.70
YNR6045-331□	330	1270	1651	0.57	0.57
YNR6045-471□	470	1800	2340	0.42	0.50
YNR6045-681□	680	2500	3250	0.33	0.42
YNR6045-102□	1000	4500	5850	0.30	0.30
YNR6045-152□	1500	6500	8450	0.21	0.24
YNR6045-222□	2200	10400	12480	0.17	0.20
YNR6045-332□	3300	13300	15960	0.15	0.17
YNR6045-472□	4700	19750	23700	0.12	0.15
YNR6045-682□	6800	33500	40200	0.09	0.12
YNR6045-103□	10000	38900	46680	0.08	0.10
YNR6045-123□	12000	62000	74400	0.07	0.09
YNR6045-153□	15000	70000	84000	0.06	0.09

■ YNR8040 series

Part Number	Inductance (uH) @100KHZ 1V	DCR (mΩ)		Rated Current※ (A)	
		「Typ.」	「Max」	Temperature Current	Saturation Current
YNR8040-R82□	0.82	8	10	6.30	13.80
YNR8040-1R0□	1.0	8	10	6.30	9.85
YNR8040-1R5□	1.5	10	13	5.65	8.15
YNR8040-2R2□	2.2	12	16	5.15	7.10
YNR8040-3R3□	3.3	17	22	4.40	6.50
YNR8040-4R7□	4.7	19	25	4.10	5.90
YNR8040-5R6□	5.6	21	27	3.85	6.00
YNR8040-6R8□	6.8	24	31	3.60	4.55
YNR8040-8R2□	8.2	26	34	3.45	4.20
YNR8040-100□	10	29	38	3.30	3.60
YNR8040-120□	12	41	53	2.80	3.50
YNR8040-150□	15	47	61	2.60	2.95
YNR8040-180□	18	53	69	2.40	2.70
YNR8040-220□	22	69	90	2.10	2.40
YNR8040-270□	27	78	101	2.00	2.15
YNR8040-330□	33	97	126	1.80	2.05
YNR8040-360□	36	102	133	1.75	2.00
YNR8040-390□	39	107	139	1.70	1.95
YNR8040-470□	47	136	177	1.55	1.75
YNR8040-680□	68	196	255	1.25	1.45
YNR8040-820□	82	225	293	1.15	1.30
YNR8040-910□	91	272	354	1.05	1.20
YNR8040-101□	100	290	377	1.00	1.15
YNR8040-121□	120	334	434	0.95	1.05
YNR8040-151□	150	410	533	0.85	1.10
YNR8040-181□	180	520	676	0.83	0.95
YNR8040-221□	220	599	779	0.80	0.85
YNR8040-331□	330	889	1156	0.64	0.68
YNR8040-471□	470	1260	1625	0.50	0.60
YNR8040-681□	680	2040	2652	0.45	0.50

■ YNR8040 series

Part Number	Inductance (uH) @100KHZ 1V	DCR (mΩ)		Rated Current※ (A)	
		[Typ.]	[Max]	Temperature Current	Saturation Current
YNR8040-102□	1000	2800	3640	0.35	0.40
YNR8040-152□	1500	5000	6500	0.26	0.32

■ YNR8065 series

Part Number	Inductance (uH) @100KHZ 1V	DCR (mΩ)		Rated Current※ (A)	
		[Typ.]	[Max]	Temperature Current	Saturation Current
YNR8065-1R0□	1.0	8	11	7.00	20.0
YNR8065-3R3□	3.3	15	18	5.10	9.50
YNR8065-4R7□	4.7	18	22	4.70	8.50
YNR8065-5R6□	5.6	22	26	4.50	8.00
YNR8065-6R8□	6.8	22	26	4.50	7.50
YNR8065-8R2□	8.2	26	31	4.20	7.00
YNR8065-100□	10	37	44	3.20	8.00
YNR8065-220□	22	54	65	2.85	4.30
YNR8065-102□	1000	2350	2820	0.40	0.65
YNR8065-152□	1500	3650	4380	0.32	0.54
YNR8065-222□	2200	5000	6000	0.27	0.45
YNR8065-332□	3300	7300	8760	0.23	0.36
YNR8065-472□	4700	12150	14580	0.18	0.29
YNR8065-682□	6800	18700	22440	0.14	0.26
YNR8065-103□	10000	22800	27360	0.13	0.20

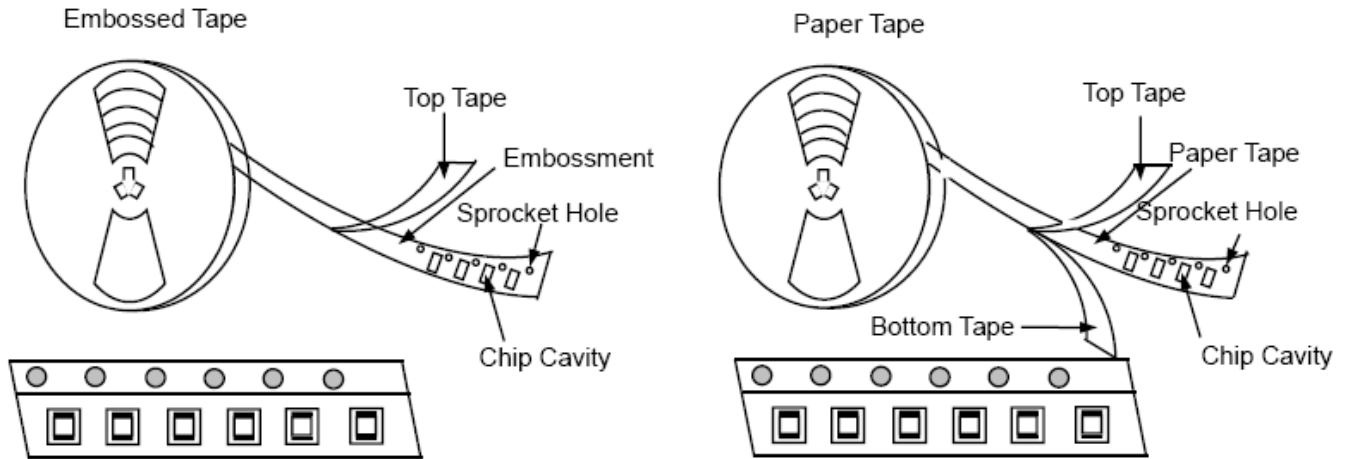
※ The saturation current value is the DC current value having inductance decrease down to 30%. (at 20 °C)

※ The temperature rise current value is the DC current value having temperature increase up to 40°C. (at 20°C)

※ The rated current is the DC current value that satisfies both of current value saturation current value and temperature rise current value.

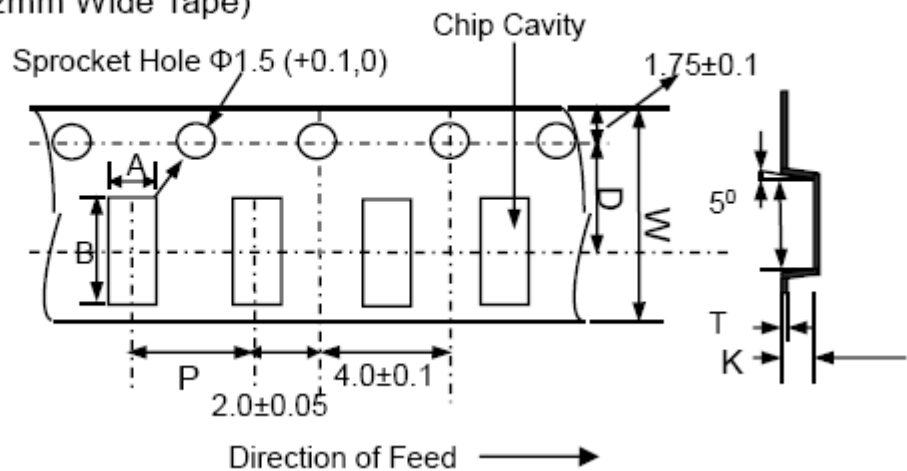
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TAPING DRAWINGS



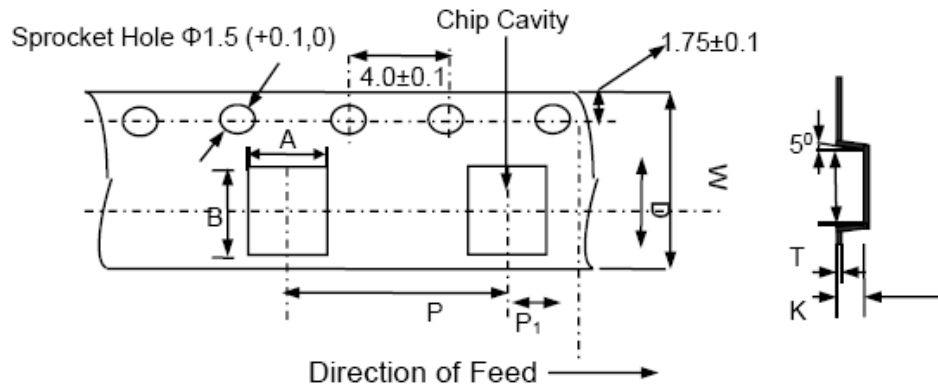
TAPING DIMENSIONS (UNIT: mm)

1. Embossed Tape (8/12mm Wide Tape)



TYPE	Chip Thickness	W	A	B	D	P	K Max	T Max	QTY (pcs/Reel)
YNR2510	1.00	8.0	2.35	2.65	3.50	4.0	1.20	0.25	2000
YNR2512	1.20	8.0	2.35	2.65	3.50	4.0	1.40	0.25	2000
YNR3010	1.00	8.0	3.30	3.30	3.50	4.0	1.40	0.25	2000
YNR3012	1.20	8.0	3.30	3.30	3.50	4.0	1.60	0.25	2000
YNR3015	1.50	8.0	3.30	3.30	3.50	4.0	1.90	0.25	2000

2. Embossed Tape (12/16mm Wide Tape)



TYPE	Chip Thickness	W	A	B	D	P	K Max	T Max	QTY (pcs/Reel)
YNR4010	1.00	12.0	4.30	4.30	5.50	8.0	1.40	0.35	4500
YNR4012	1.20	12.0	4.30	4.30	5.50	8.0	1.40	0.35	4500
YNR4018	1.80	12.0	4.30	4.30	5.50	8.0	2.10	0.35	3000
YNR4020	2.00	12.0	4.30	4.30	5.50	8.0	2.40	0.40	3000
YNR4026	2.60	12.0	4.30	4.30	5.50	8.0	2.80	0.35	2500
YNR4030	3.00	12.0	4.30	4.30	5.50	8.0	3.20	0.40	2000
YNR5012	1.20	12.0	5.30	5.30	5.50	8.0	1.40	0.35	3000
YNR5020	2.00	12.0	5.40	5.40	5.50	8.0	2.20	0.35	3000
YNR5040	4.00	12.0	5.30	5.30	5.50	8.0	4.20	0.40	1500
YNR6012	1.20	16.0	6.30	6.30	7.50	8.0	1.50	0.40	2500
YNR6020	2.00	16.0	6.30	6.30	7.50	8.0	2.50	0.40	3000
YNR6028	2.80	16.0	6.40	6.40	7.50	8.0	3.30	0.40	2000
YNR6040	4.00	16.0	6.40	6.40	7.50	8.0	4.70	0.40	1500
YNR6045	4.50	16.0	6.40	6.40	7.50	8.0	4.70	0.40	1500
YNR8040	4.00	16.0	8.35	8.35	7.50	12.0	4.50	0.40	1000
YNR8065	6.50	16.0	8.30	8.30	7.50	12.0	6.70	0.50	1000