■ Features

- Low profile construction and miniature size.
- Magnetic shielded construction.
- High current saturation.
- Operating temperature:-40℃ ~ +125℃.
- RoHS compliant

■ Applications

- For small DC/DC converter(HDD,DVC,DSC,PDA,LCD display etc.).
- Car navigation systems,telecom base stations.
- VR,AR,LED lighting.

■ Product Identification

YNR	□□□□	−	□□□	□
(1)	(2)		(3)	(4)

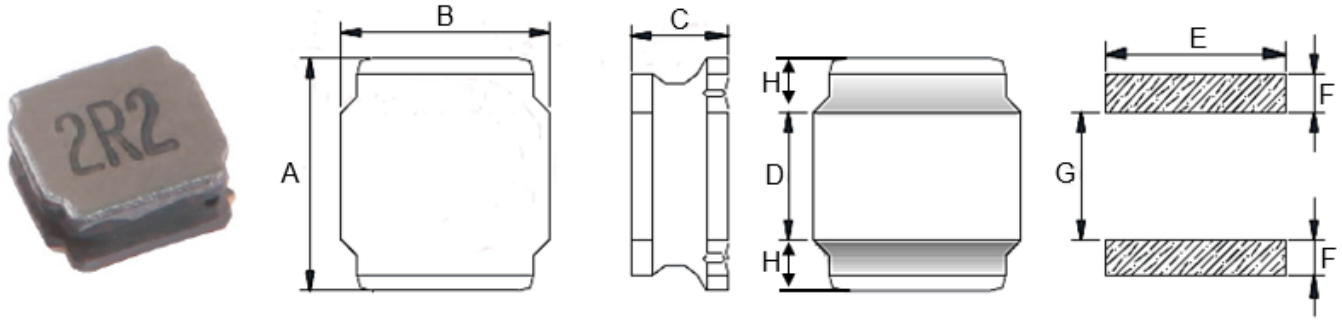
⑴： Type

⑵： Dimensions

⑶： Inductance value

⑷： Inductance Tolerance； N=±30%,M=±20%， K=±10%

■ Shapes and Dimensions (Unit： mm)



TYPE	A	B	C Max.	D	E Ref.	F Ref.	G Ref.	H
YNR4030	4.0±0.2	4.0±0.2	3.00	2.10±0.2	3.70	1.10	1.90	0.95±0.2

■ YNR4030 Series

Part Number	Inductance (uH) @100KHz	DC Resistance (Ω)		Heat Rating Current (A)	Saturation Current (A)
		Typ.	Max.		
YNR4030-R24☐	0.24	0.008	0.012	5.10	8.00
YNR4030-R47☐	0.47	0.008	0.013	4.82	7.50
YNR4030-R68☐	0.68	0.010	0.013	4.56	6.80
YNR4030-R91☐	0.91	0.013	0.017	4.15	6.25
YNR4030-1R0☐	1.00	0.014	0.018	4.15	5.26
YNR4030-1R5☐	1.50	0.020	0.026	3.34	4.84
YNR4030-1R8☐	1.80	0.025	0.033	3.20	5.40
YNR4030-2R2☐	2.20	0.030	0.039	2.95	4.90
YNR4030-3R3☐	3.30	0.040	0.052	2.40	3.30
YNR4030-3R9☐	3.90	0.057	0.074	2.10	3.00
YNR4030-4R7☐	4.70	0.060	0.078	2.00	2.90
YNR4030-5R6☐	5.60	0.065	0.085	1.95	2.60
YNR4030-6R8☐	6.80	0.090	0.117	1.60	2.75
YNR4030-7R5☐	7.50	0.085	0.110	1.65	2.20
YNR4030-8R2☐	8.20	0.090	0.117	1.60	2.10
YNR4030-100☐	10.0	0.100	0.130	1.50	1.95
YNR4030-120☐	12.0	0.135	0.175	1.30	1.70
YNR4030-150☐	15.0	0.190	0.247	1.11	1.65
YNR4030-180☐	18.0	0.200	0.260	1.10	1.40
YNR4030-220☐	22.0	0.225	0.292	1.00	1.30
YNR4030-270☐	27.0	0.260	0.338	0.90	1.15
YNR4030-330☐	33.0	0.330	0.429	0.84	1.10
YNR4030-360☐	36.0	0.335	0.436	0.83	1.05
YNR4030-390☐	39.0	0.435	0.566	0.73	1.03

■ YNR4030 Series

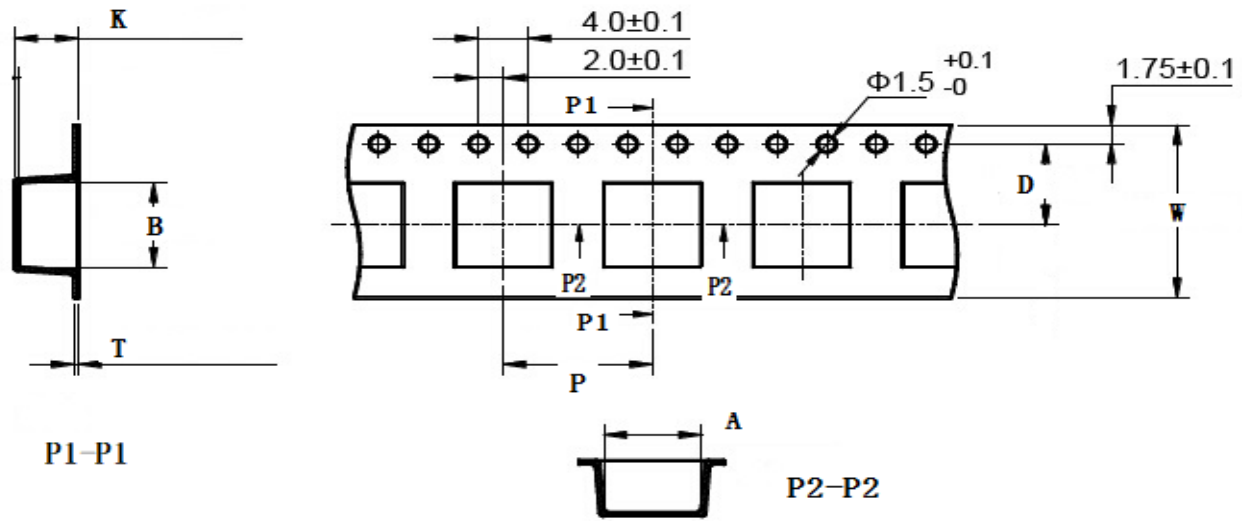
Part Number	Inductance (uH) @100KHz	DC Resistance (Ω)		Heat Rating Current (A)	Saturation Current (A)
		Typ.	Max.		
YNR4030-470☐	47.0	0.445	0.579	0.72	0.95
YNR4030-510☐	51.0	0.470	0.611	0.70	0.90
YNR4030-560☐	56.0	0.555	0.722	0.65	0.85
YNR4030-620☐	62.0	0.585	0.761	0.63	0.80
YNR4030-680☐	68.0	0.868	1.128	0.52	0.72
YNR4030-820☐	82.0	1.060	1.378	0.47	0.66
YNR4030-910☐	91.0	1.100	1.430	0.46	0.65
YNR4030-101☐	100	1.150	1.495	0.45	0.60
YNR4030-121☐	120	1.350	1.755	0.42	0.55
YNR4030-151☐	150	1.800	2.340	0.30	0.50
YNR4030-221☐	220	2.500	3.250	0.35	0.40
YNR4030-331☐	330	4.000	5.200	0.25	0.30
YNR4030-471☐	470	7.200	9.360	0.20	0.30
YNR4030-501☐	500	6.944	9.027	0.15	0.28
YNR4030-681☐	680	7.580	9.854	0.14	0.19

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

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

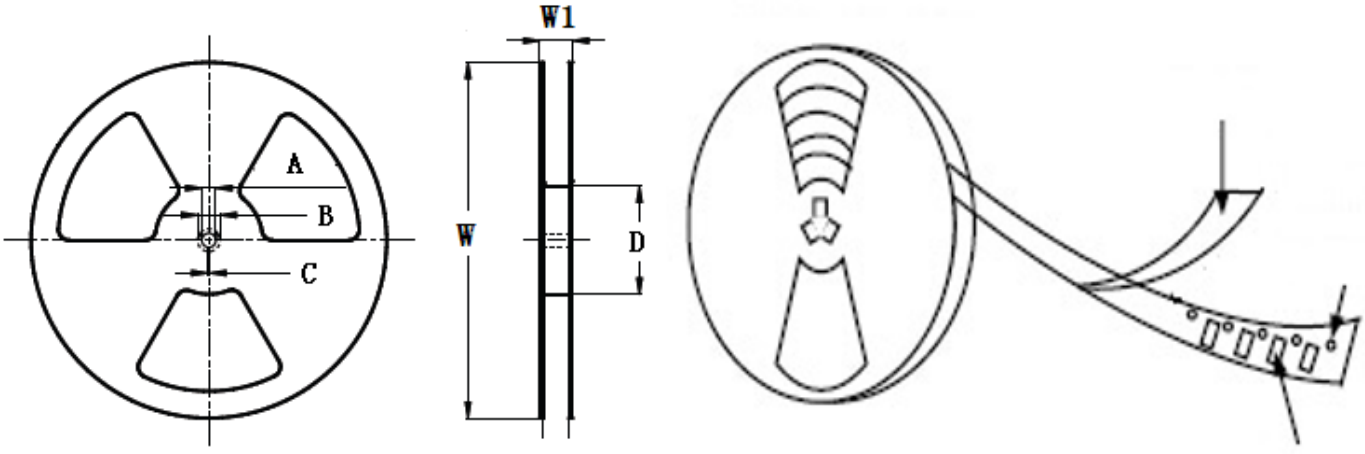
※ The rated current is the DC current value that satisfies both of current value saturation current value and temperature rise current value.

■ Taping Dimensions(Unit:mm)



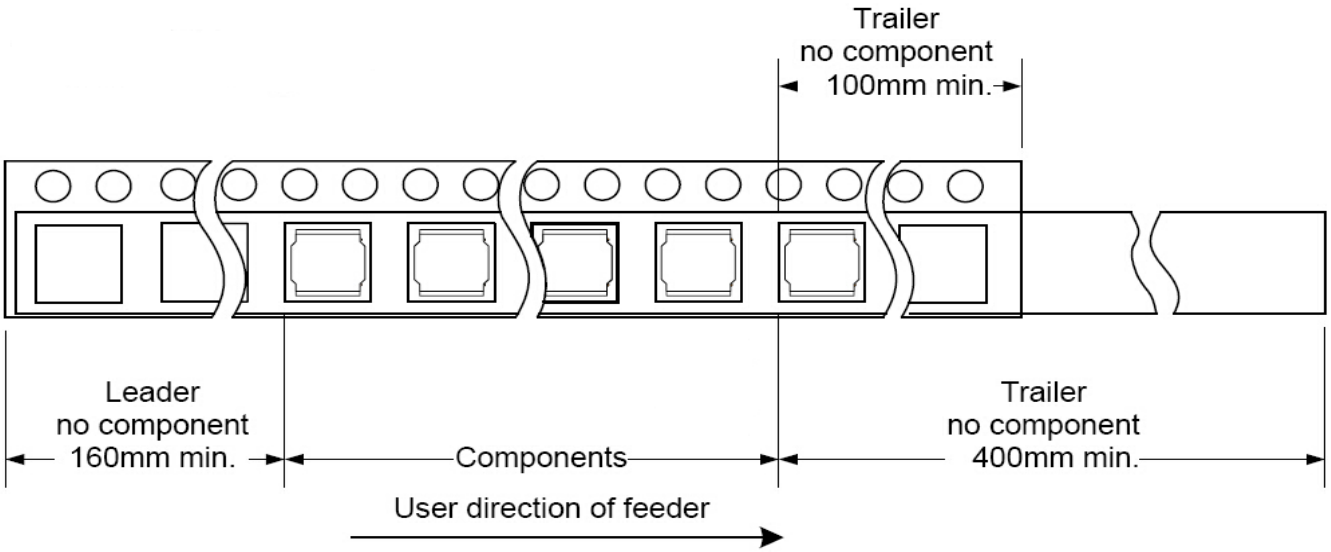
TYPE	Chip Thickness	W	A	B	D	P	K Max	T Max	MPQ
YNR4030	3.00	12.0	4.30	4.30	5.50	8.00	3.20	0.40	2000

■ Reel Dimensions(Unit:mm)

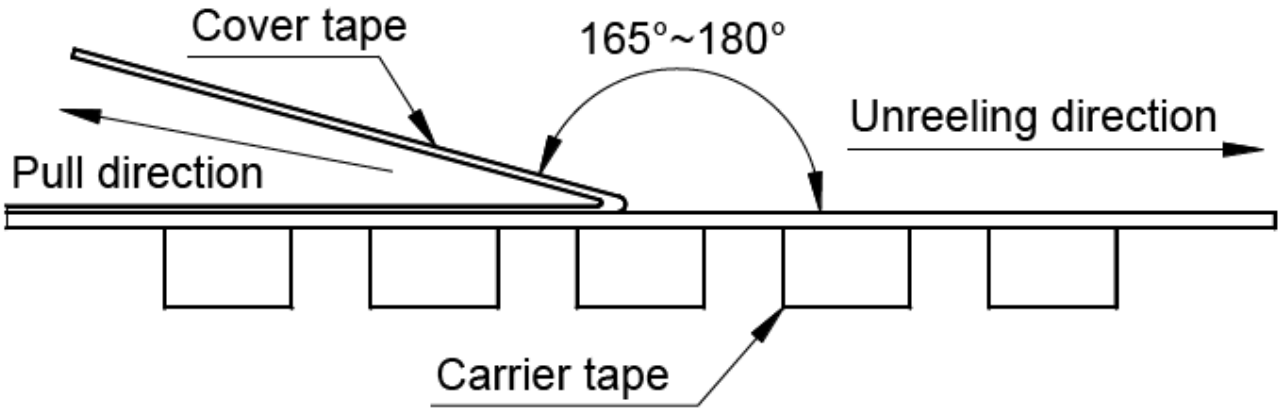


TYPE	W	W1	A	B	C	D
YNR4030	330±2.0	12.8±1.50	13.0±0.50	21.0±0.80	2.0±0.50	100 Min

■ Direction of rolling



■ Cover tape peel off condition



Cover tape peel force shall be 0.1N to 1.3N.

Reference peel speed 300±10mm/min.