■ 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)

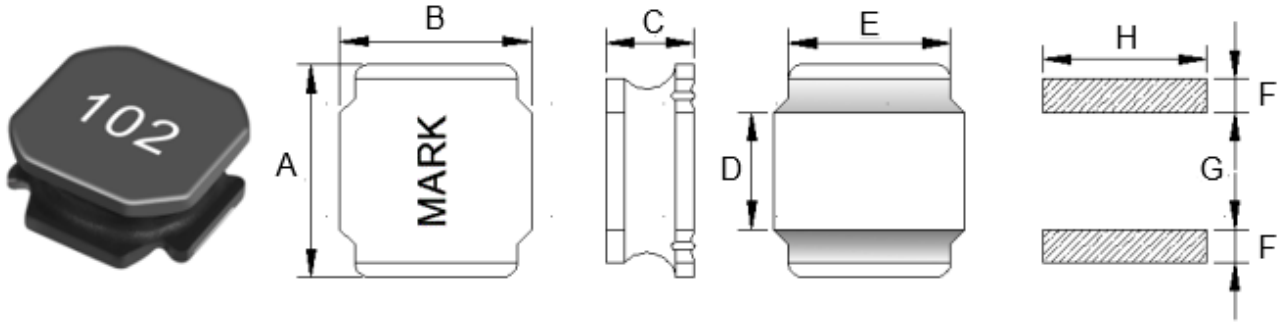
(1)： Type

(2)： Dimensions

(3)： Inductance value

(4)： 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 Ref.
YNR4030	4.0±0.2	4.0±0.2	3.0	1.8±0.3	3.2	1.3	1.6	3.7

■ Electrical Characteristics List

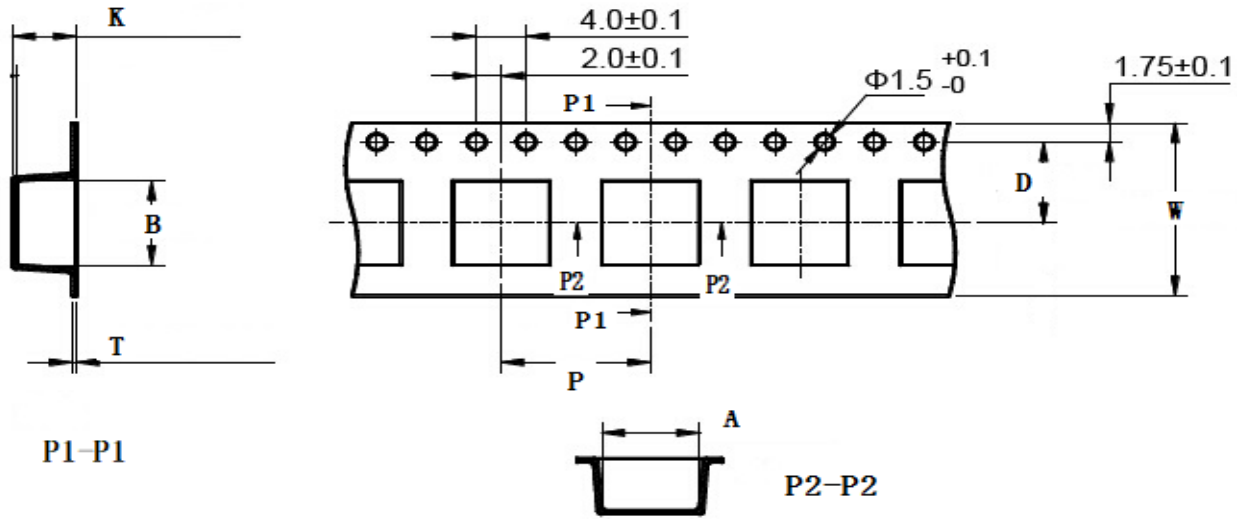
Part Number	Inductance (uH)	Test Freq. (KHz/V)	DCR ±30%. (Ω)	Heat Rating Current (A)	Saturation Current (A)
YNR4030-222M	2200±20%	100/0.25	27.00	0.13	0.15

※ 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℃)

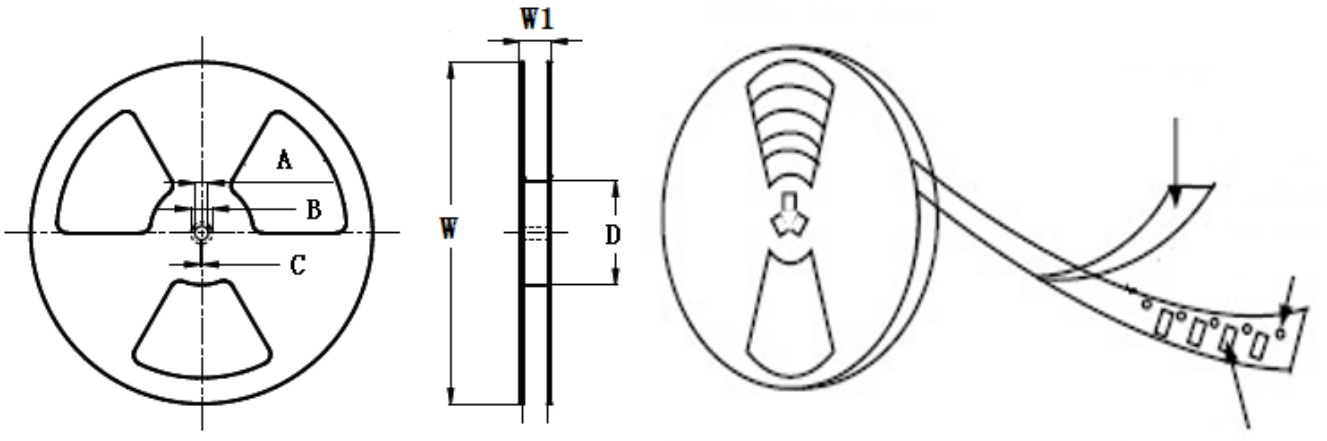
※ The rated current is the DC current value that satisfies both of current value saturation current value and temperature rise current value.

■ Taping Dimensions(Unit:mm)



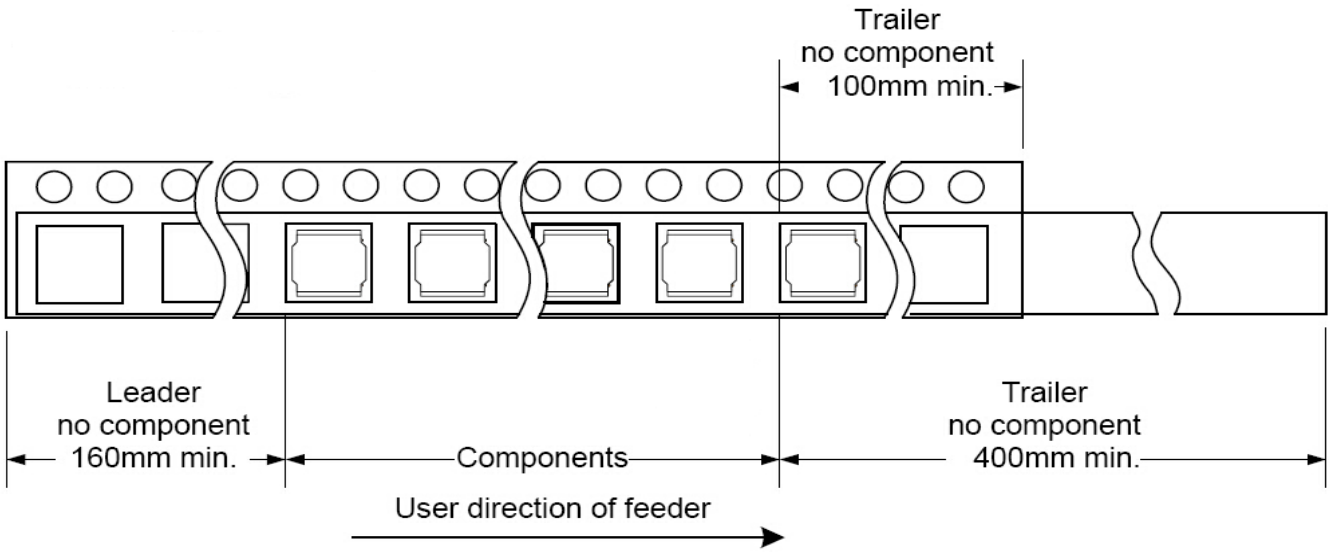
TYPE	Chip Thickness	W	A	B	D	P	K Max	T Max	MPQ
YNR4030	3.00	12.0	4.30	4.30	5.50	8.00	3.20	0.40	2000

■ Reel Dimensions(Unit:mm)

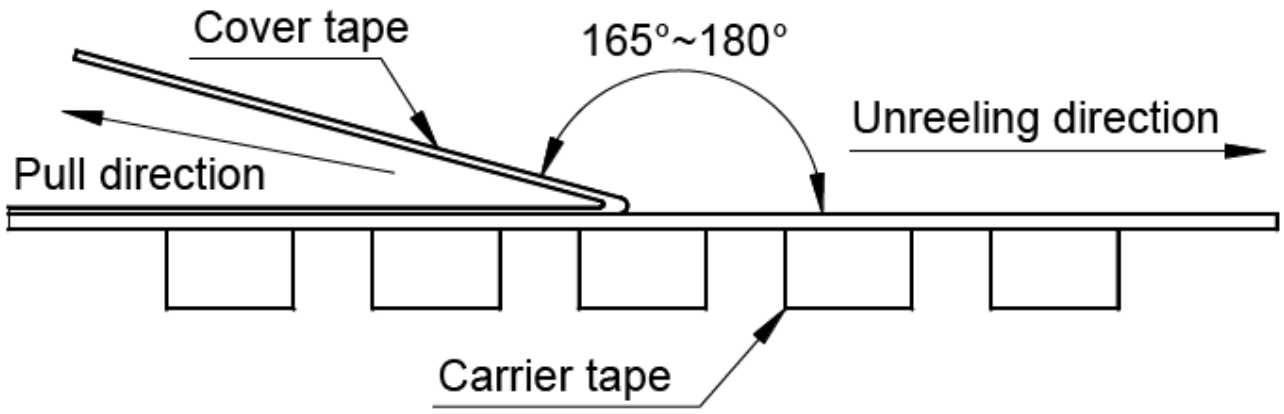


TYPE	W	W1	A	B	C	D
YNR4030	330±2.0	12.8±1.50	13.0±0.50	21.0±0.80	2.0±0.50	100 Min

■ 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.