

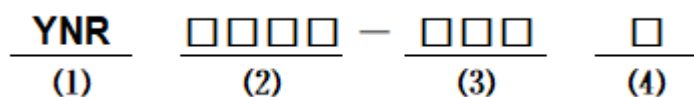
■ Features

- Low profile construction and miniature size.
- Magnetic shielded construction.
- High current saturation.
- Operating temperature: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$.
- 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



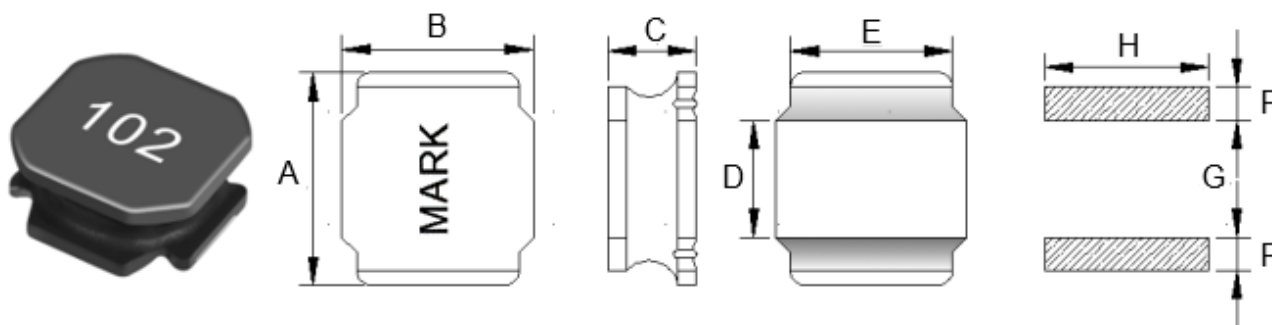
(1) : Type

(2) : Dimensions

(3) : Inductance value

(4) : Inductance Tolerance; N= $\pm 30\%$, M= $\pm 20\%$, K= $\pm 10\%$

■ Shapes and Dimensions (Unit: mm)



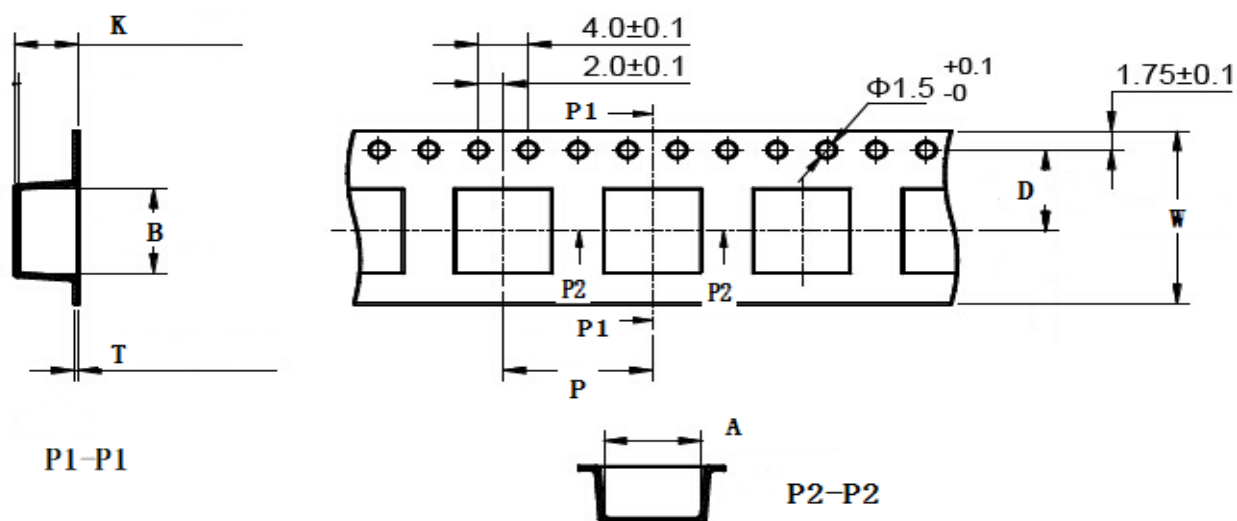
TYPE	A	B	C Max.	D	E Ref.	F Ref.	G Ref.	H Ref.
YNR4030	4.0 $\pm$ 0.2	4.0 $\pm$ 0.2	3.0	1.8 $\pm$ 0.3	3.2	1.3	1.6	3.7

■ Electrical Characteristics List

Part Number	Inductance (uH)	Test Freq. (KHz/V)	DCR Max. (Ω)	Heat Rating Current (A)	Saturation Current (A)
YNR4030-501M	500±20%	100/0.25	9.027	0.15	0.28

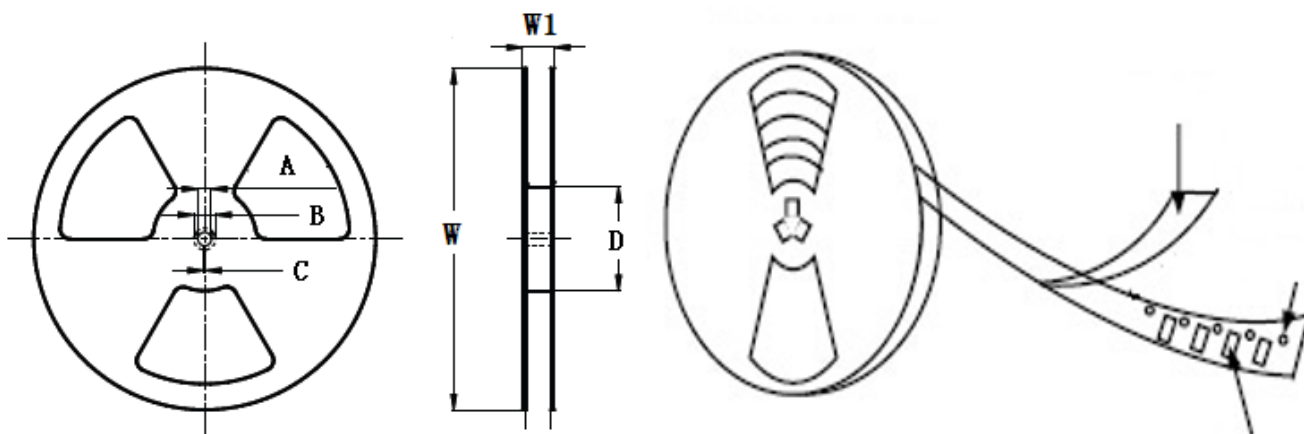
- ※ The saturation current value is the DC current value having inductance decrease down to 30%.(at 20℃)
- ※ The temperature rise current value is the DC current value having temperature increase up to 40℃. (at 20℃)
- ※ The rated current is the DC current value that satisfies both of current value saturation current value and temperature rise current value.

Taping Dimensions(Unit:mm)



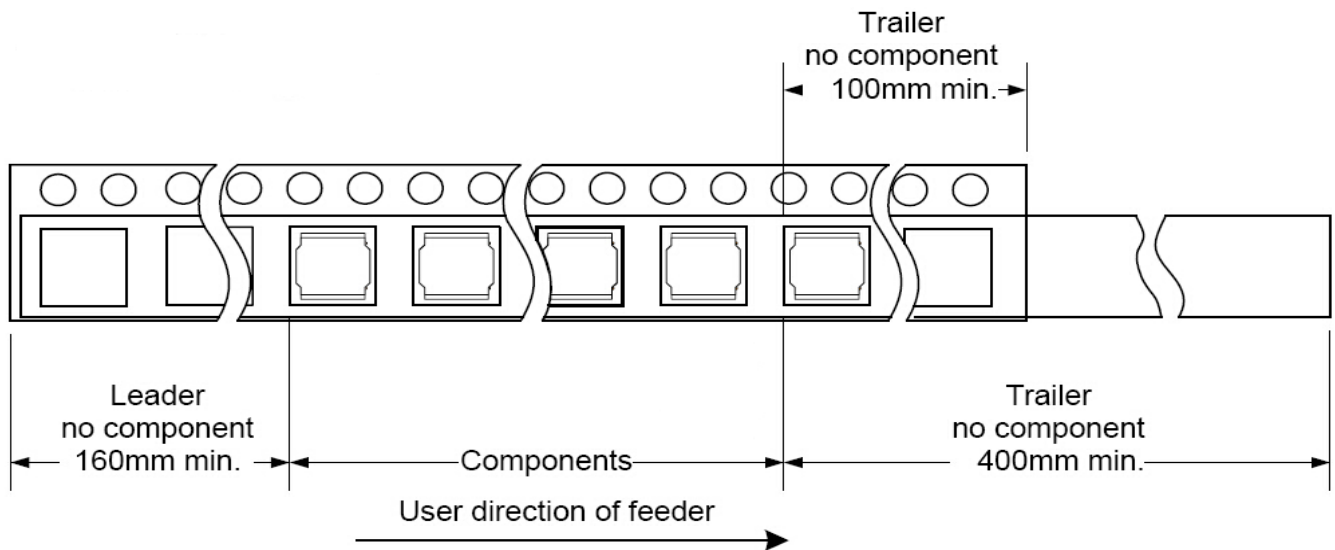
TYPE	Chip Thickness	W	A	B	D	P	K Max	T Max	MPQ
YNR4030	3.00	12.0	4.30	4.30	5.50	8.00	3.20	0.40	2000

Reel Dimensions(Unit:mm)

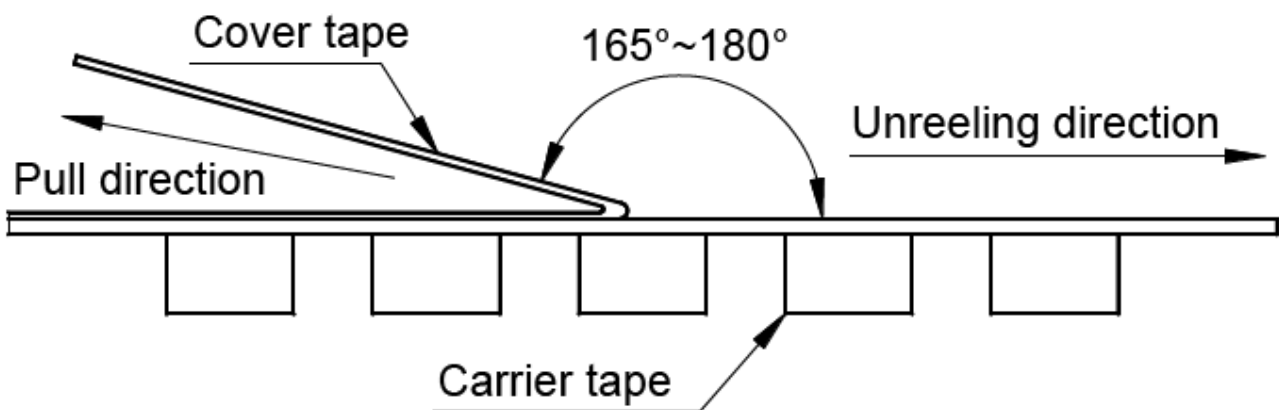


TYPE	W	W1	A	B	C	D
YNR4030	330±2.0	12.8±1.50	13.0±0.50	21.0±0.80	2.0±0.50	100 Min

■ Direction of rolling



■ Cover tape peel off condition



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

Reference peel speed 300 ± 10 mm/min.