

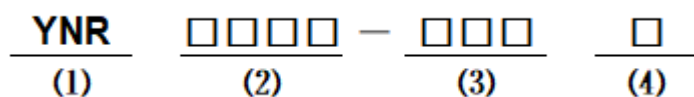
■ Features

- 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



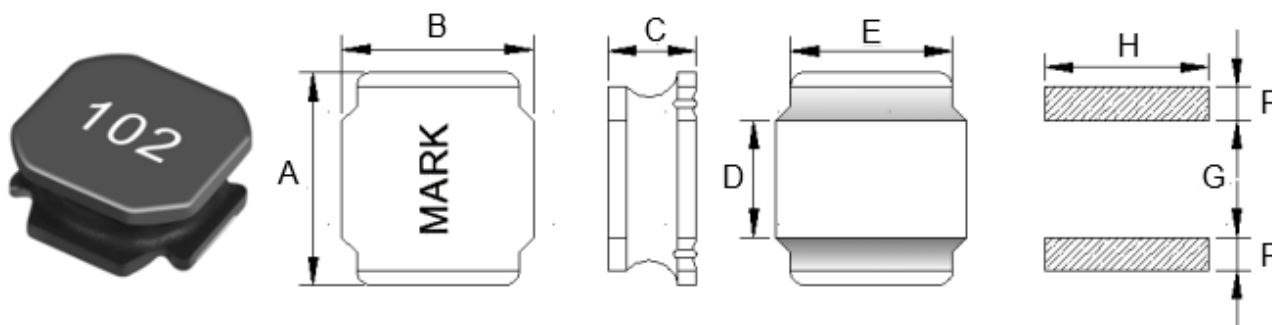
(1) : Type

(2) : Dimensions

(3) : Inductance value

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

■ Shapes and Dimensions (Unit: mm)



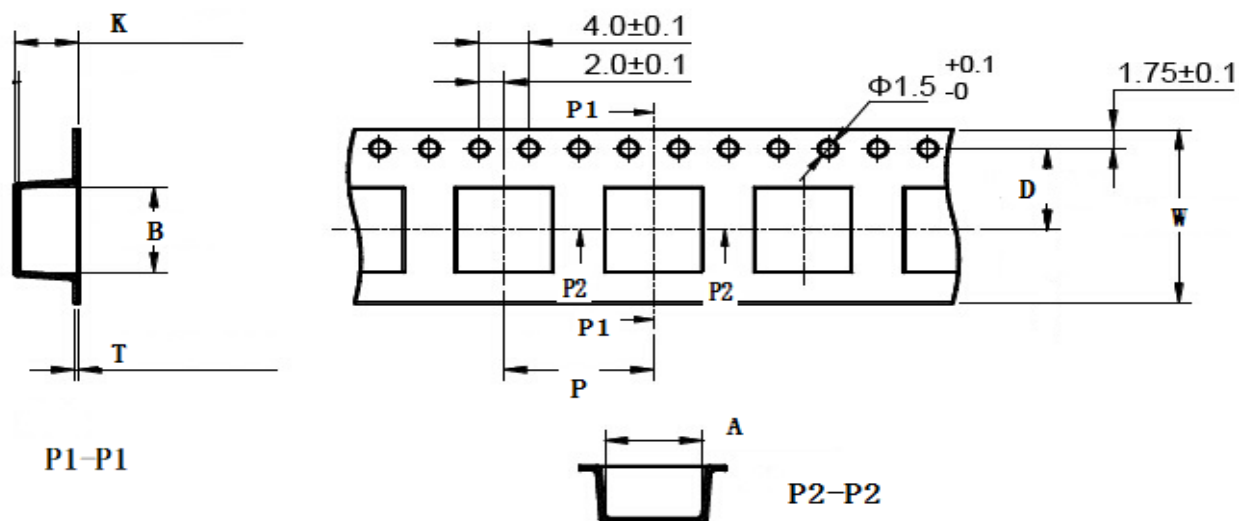
TYPE	A	B	C Max.	D	E Ref.	F Ref.	G Ref.	H Ref.
YNR5040	5.0±0.2	5.0±0.2	4.0	2.2±0.3	4.0	1.6	2.0	4.7

■ Electrical Characteristics List

Part Number	Inductance (uH) @100KHz	DC Resistance (Ω)		Heat Rating Current (A)	Saturation Current (A)
		Typ.	Max.		
YNR5040-472M	4700 $\pm$ 20%	25.00	32.50	0.08	0.11

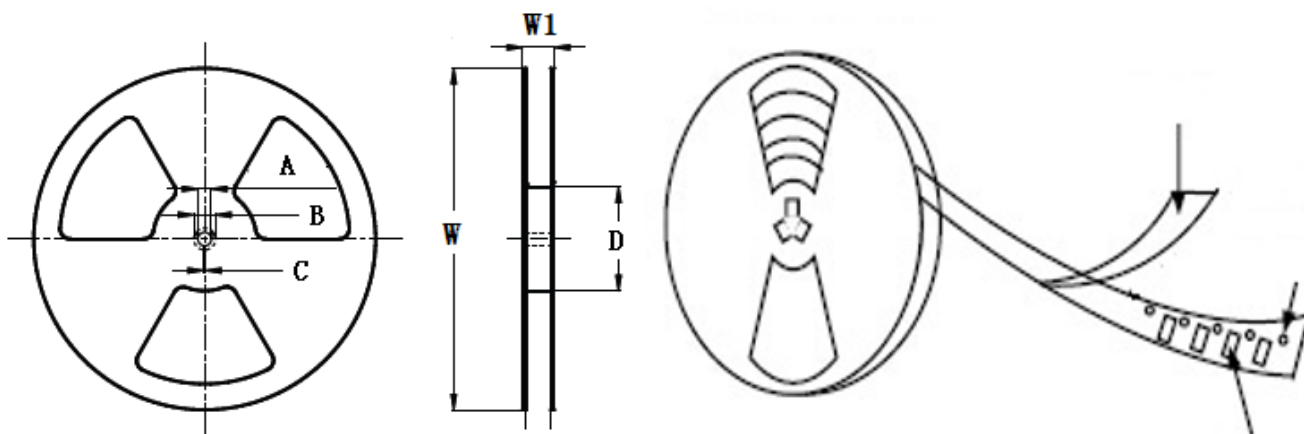
- ※ The saturation current value is the DC current value having inductance decrease down to 30%.(at 20℃)
- ※ The temperature rise current value is the DC current value having temperature increase up to 40℃. (at 20℃)
- ※ The rated current is the DC current value that satisfies both of current value saturation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

Taping Dimensions(Unit:mm)



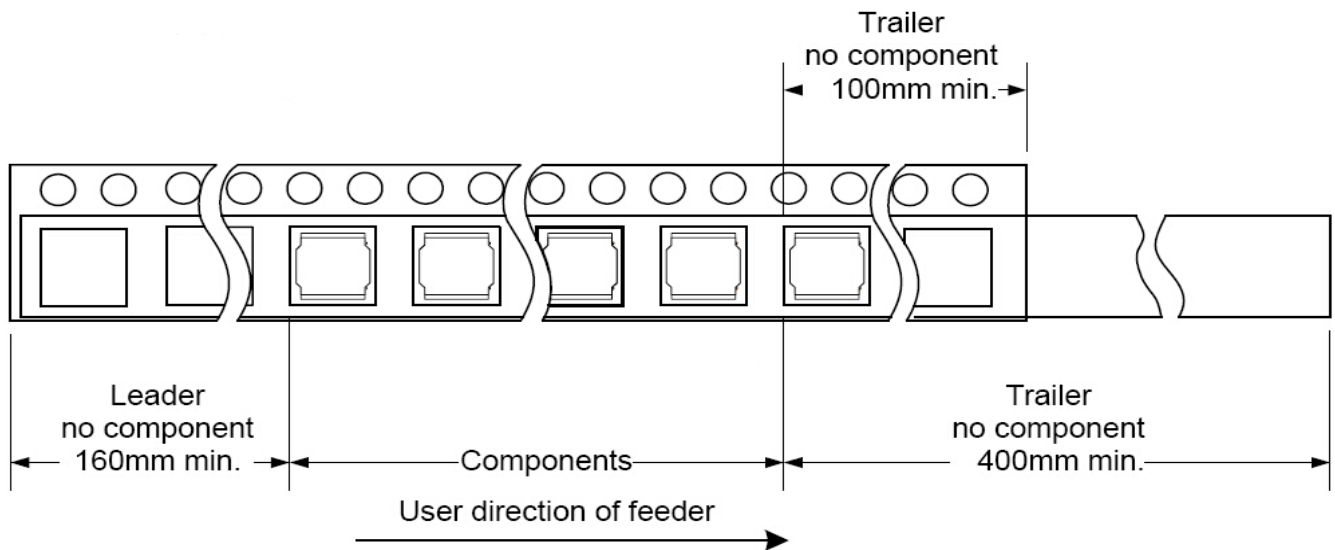
TYPE	Chip Thickness	W	A	B	D	P	K Max	T Max	MPQ
YNR5040	4.00	12.0	5.30	5.30	5.50	8.00	4.20	0.40	1500

Reel Dimensions(Unit:mm)

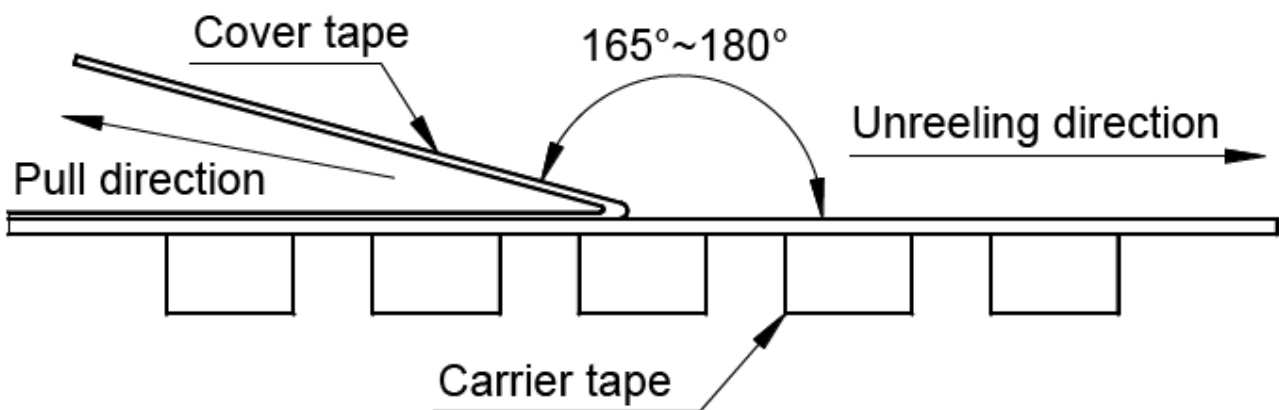


TYPE	W	W1	A	B	C	D
YNR5040	330±2.0	12.8±1.50	13.0±0.50	21.0±0.80	2.0±0.50	100 Min

■ 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.