

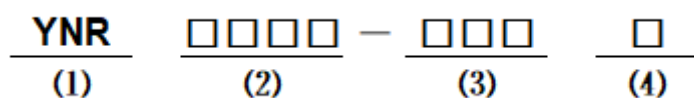
■ Features

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



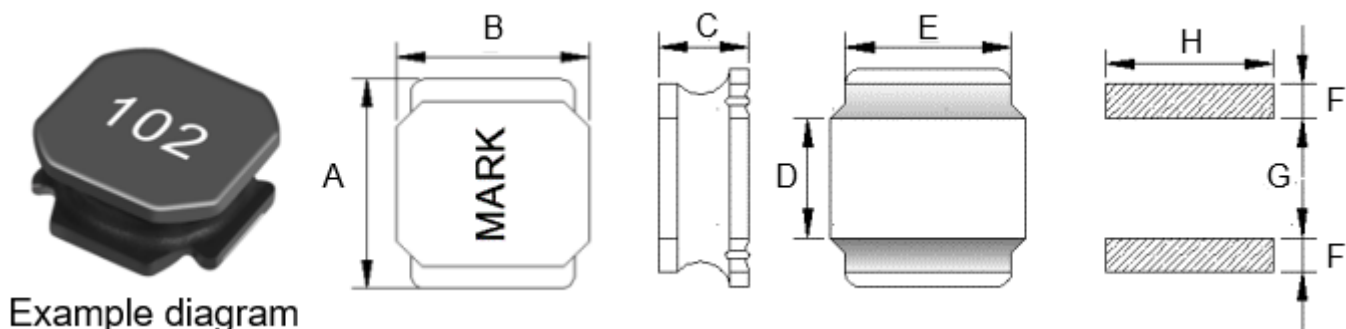
(1) : Type

(2) : Dimensions

(3) : Inductance value

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

■ Shapes and Dimensions (Unit: mm)



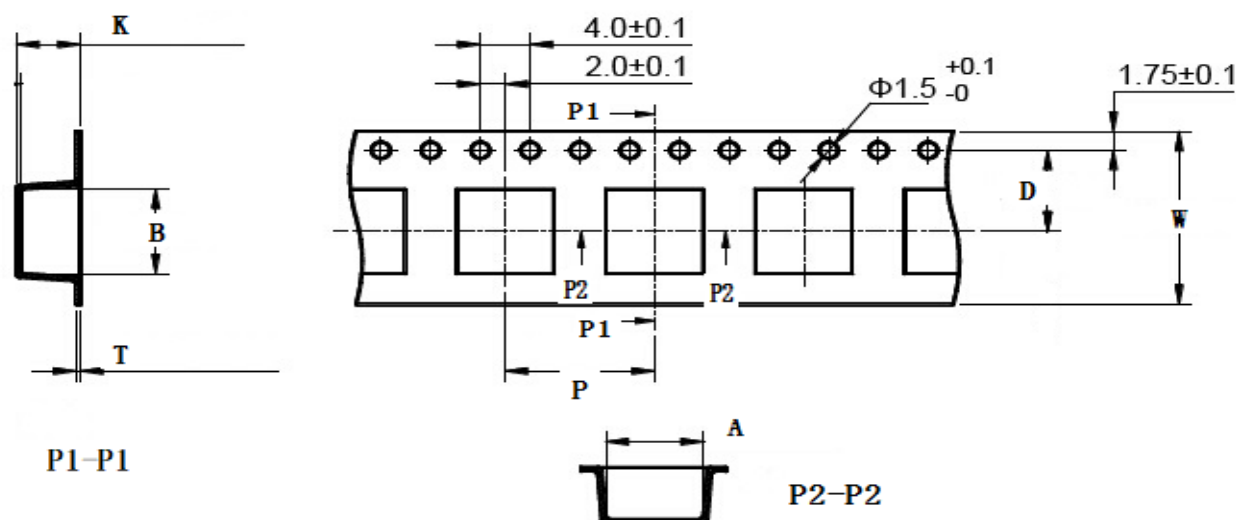
TYPE	A	B	C Max.	D Ref.	E Ref.	F Ref.	G Ref.	H Ref.
YNR3012	3.0±0.2	3.0±0.2	1.2	1.2	2.5	1.0	1.2	2.9

■ Electrical Characteristics List

Part Number	Inductance (uH) @100KHz	DC Resistance Max.(Ω)	Heat Rating Current (A)	Saturation Current (A)
YNR3012-680M	68±20%	3.84	0.20	0.30

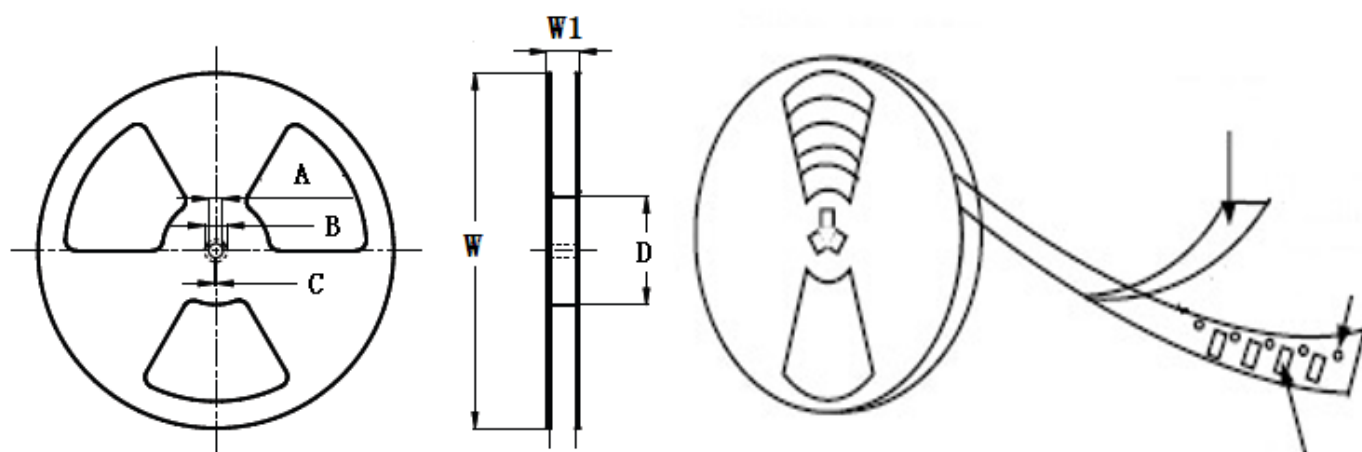
- ※ The saturation current value is the DC current value having inductance decrease down to 30%.(at 20℃)
- ※ The temperature rise current value is the DC current value having temperature increase up to 40℃. (at 20℃)
- ※ The rated current is the DC current value that satisfies both of current value saturation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

■ Taping Dimensions(Unit:mm)



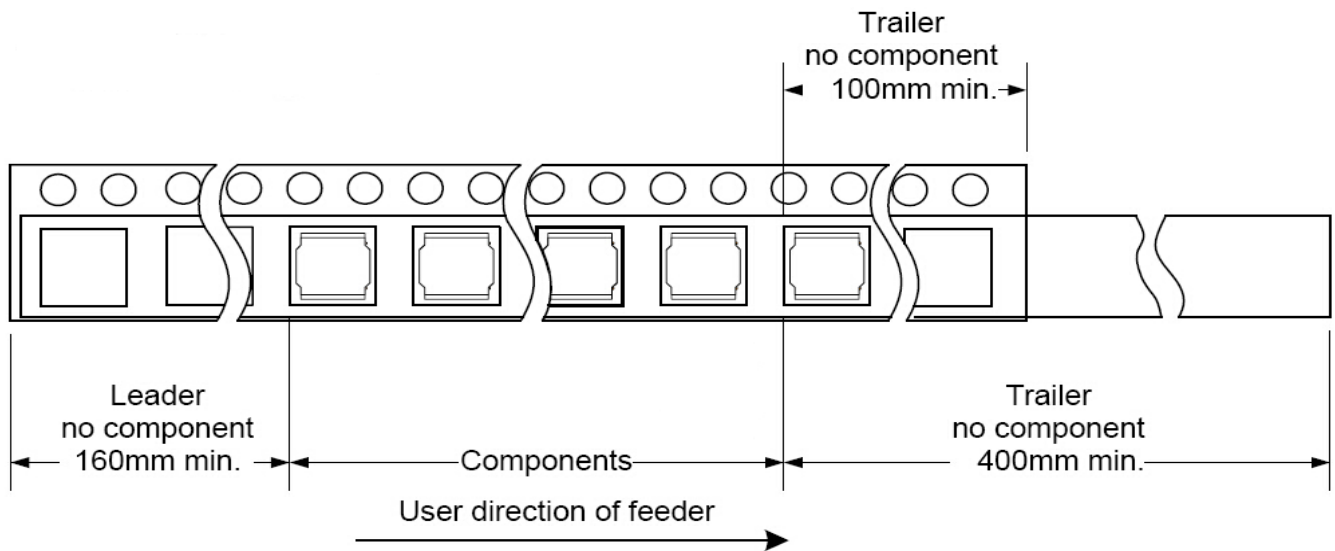
TYPE	Chip Thickness	W	A	B	D	P	K Max	T Max	MPQ
YNR3012	1.20	8.00	3.30	3.30	3.50	4.00	1.60	0.25	2000

■ Reel Dimensions(Unit:mm)

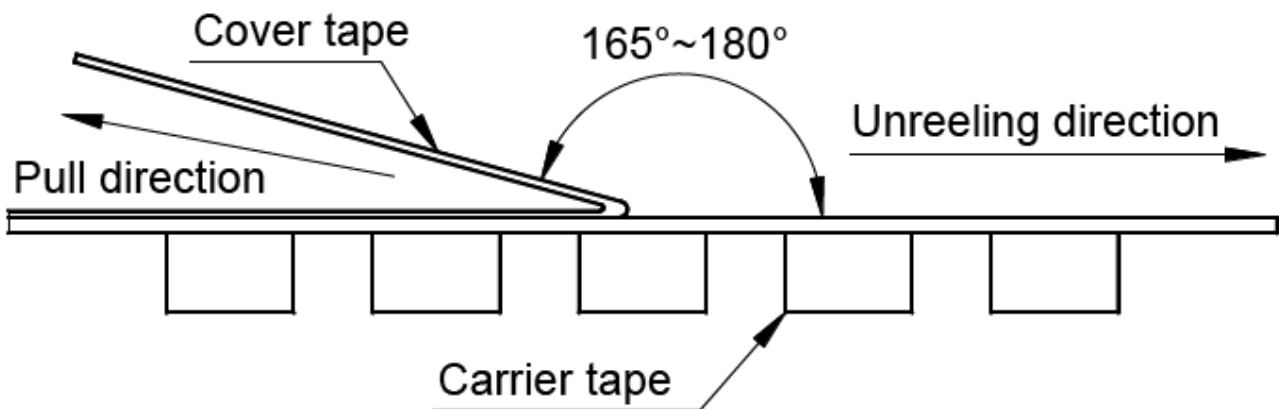


TYPE	W	W1	A	B	C	D
YNR3012	178±2.0	8.40±1.50	4.3±0.20	5.0±0.10	3.0±0.10	58±2.0

■ 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.