SMD Power Inductors
-YHNR3015 Series

■ 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

YHNR	□□□□	−	□□□	□
(1)	(2)		(3)	(4)

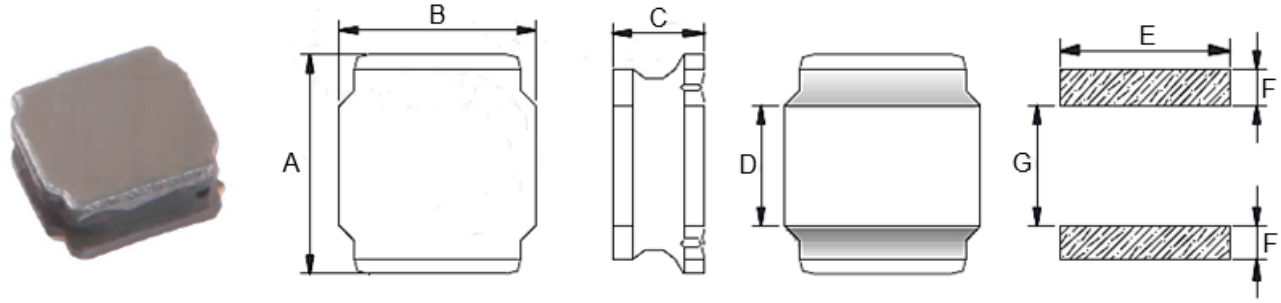
(1)： Type

(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.
YHNR3015	3.0±0.2	3.0±0.2	1.55	1.4±0.3	2.70	0.80	1.50

■ YHNR3015 Series

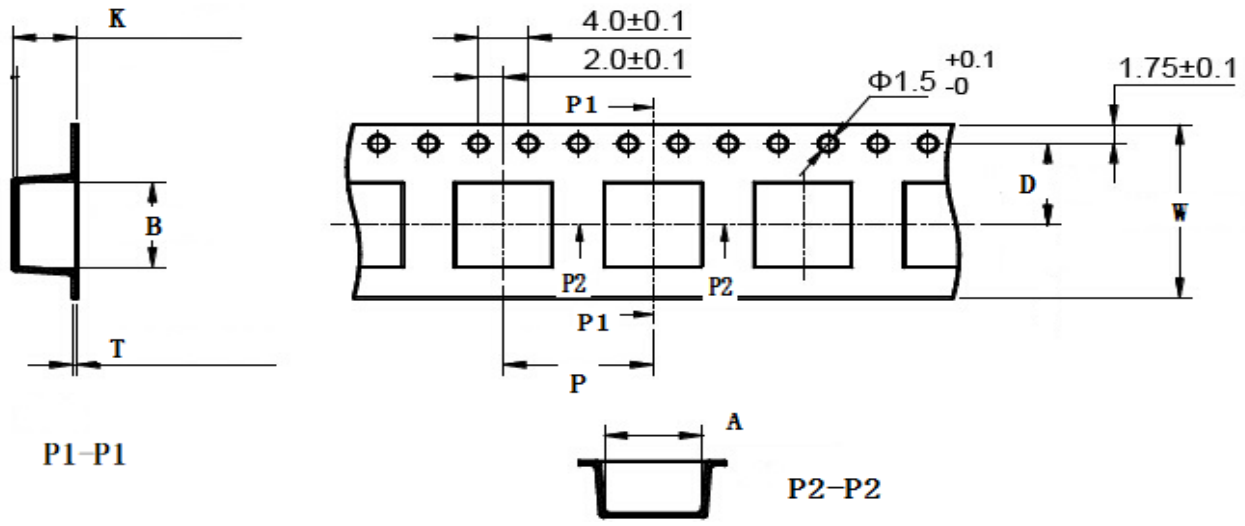
Part Number	Inductance (uH) @100KHz	DC Resistance (Ω)		Heat Rating Current (A)	Saturation Current (A)
		Typ.	Max.		
YHNR3015-R22☐	0.22	0.016	0.019	5.00	8.80
YHNR3015-R24☐	0.24	0.016	0.019	5.00	8.60
YHNR3015-R33☐	0.33	0.016	0.021	4.90	8.00
YHNR3015-R47☐	0.47	0.020	0.026	4.60	7.60
YHNR3015-R68☐	0.68	0.028	0.037	3.80	7.00
YHNR3015-1R0☐	1.00	0.037	0.048	3.30	5.80
YHNR3015-1R5☐	1.50	0.055	0.072	2.20	4.60
YHNR3015-2R2☐	2.20	0.074	0.095	2.20	3.70
YHNR3015-3R3☐	3.30	0.110	0.150	2.00	3.40
YHNR3015-4R7☐	4.70	0.150	0.185	1.70	2.50
YHNR3015-5R6☐	5.60	0.190	0.250	1.50	2.20
YHNR3015-6R8☐	6.80	0.245	0.320	1.20	2.00
YHNR3015-100☐	10.0	0.350	0.450	1.10	1.60
YHNR3015-150☐	15.0	0.460	0.610	1.10	1.45
YHNR3015-220☐	22.0	0.700	0.910	0.56	1.00
YHNR3015-330☐	33.0	0.970	1.260	0.50	0.90
YHNR3015-470☐	47.0	1.450	1.900	0.42	0.80

※ 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℃)

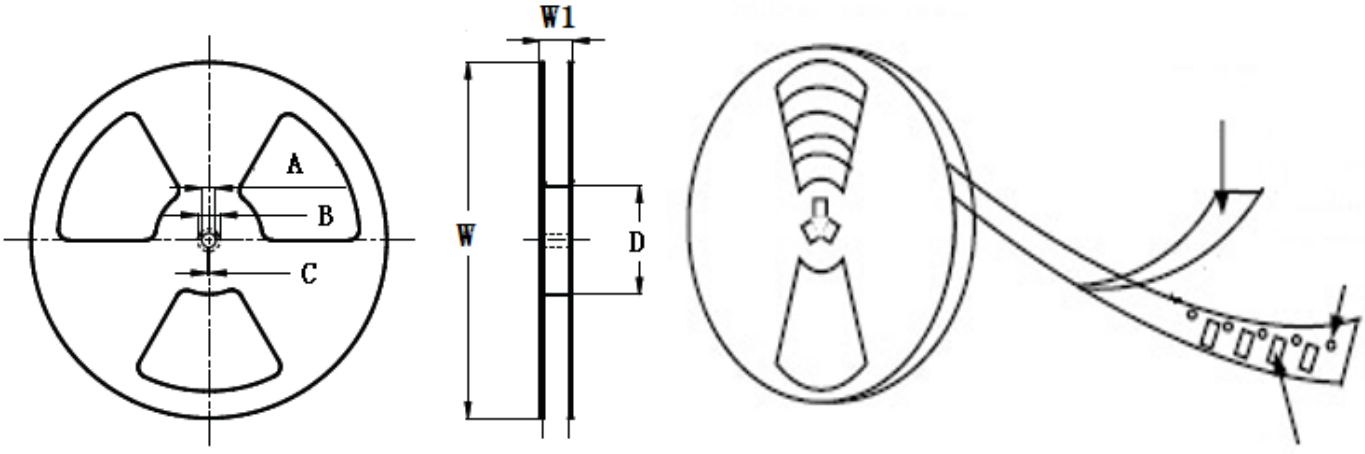
※ The rated current is the DC current value that satisfies both of current value saturation current value and temperature rise current value.

■ Taping Dimensions(Unit:mm)



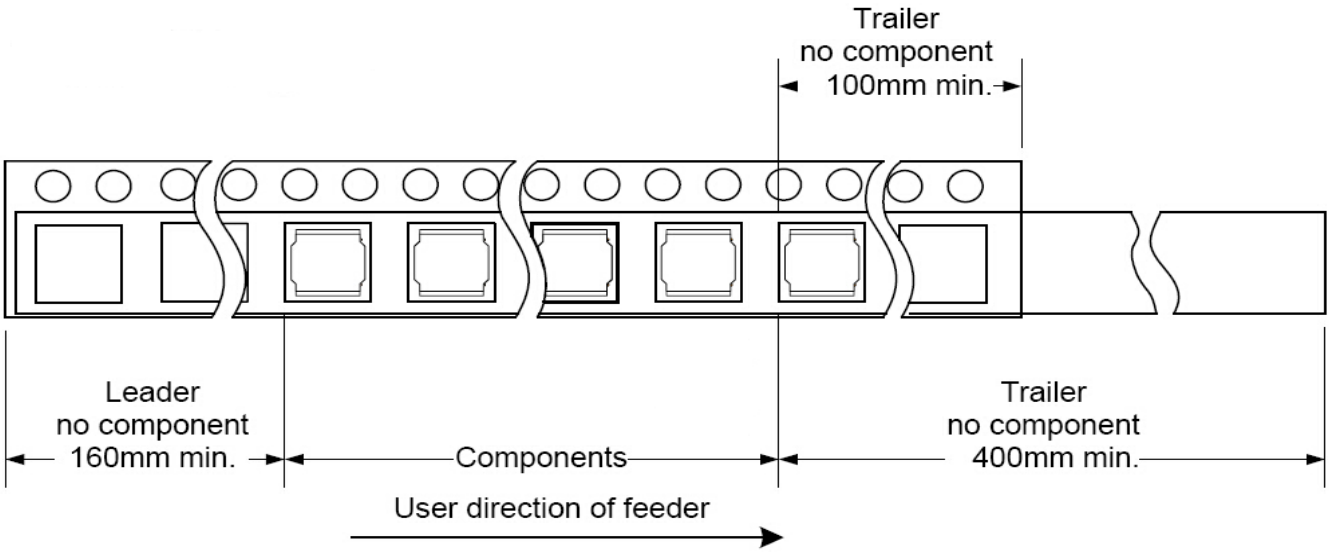
TYPE	Chip Thickness	W	A	B	D	P	K Max	T Max	MPQ
YHNR3015	1.50	8.0	3.30	3.30	3.50	8.00	1.90	0.25	2000

■ Reel Dimensions(Unit:mm)

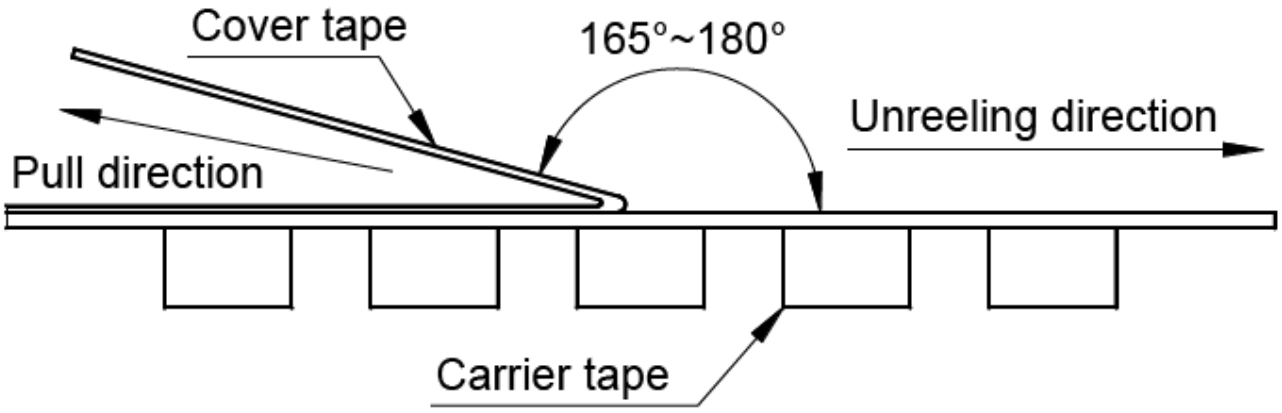


TYPE	W	W1	A	B	C	D
YHNR3015	178±2.0	8.40±1.50	4.3±0.20	5.0±0.10	3.0±0.10	58±2.0

■ 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.