

- Molding Inductor.
- Low Profile,Low Temp.
- Large Current(Over 15A).
- Customize For Different Need.
- Operating temperature:-40℃ ~ +125℃.

- General Electronic.
- Video Device,TV,TFT.
- Power Module for PC.
- NB/Lap Top Computer.
- Server,VGA Card/Module.

$$\frac{\text{YSPIA}}{(1)} \quad \frac{\square\square\square\square}{(2)} - \frac{\square\square\square}{(3)} \quad \frac{\square}{(4)}$$

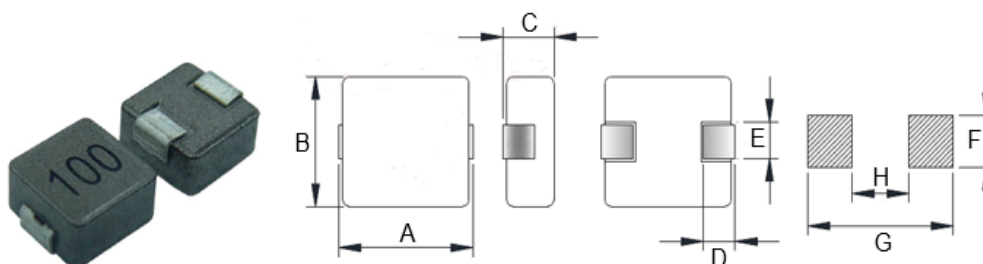
(1) : Type

(2) : Dimensions

(3) : Inductance value

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

■ Shapes and Dimensions (Unit: mm)



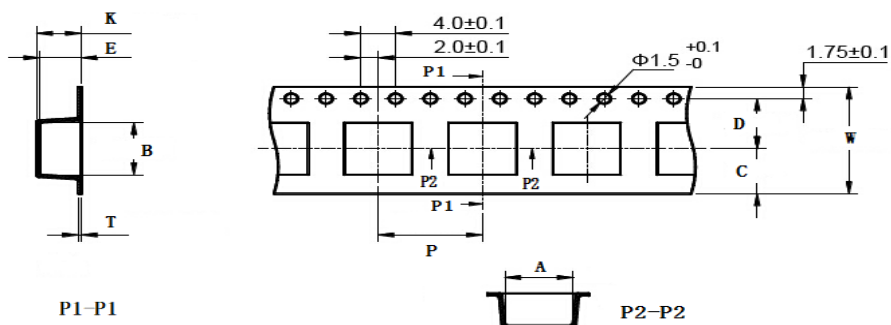
TYPE	A	B	C Max.	D	E	F Ref.	G Ref.	H Ref.
YSPIA0315	3.4±0.5	3.0±0.2	1.5	0.6±0.3	1.0±0.3	1.2	4.2	1.0

■ YSPIA0315 Series

Part Number	Inductance (uH) @100KHz	DC Resistance (mΩ)		Heat Rating Current (A)	Saturation Current (A)
		Typ.	Max.		
YSPIA0315-R22M	0.22±20%	16	19	6.0	8.2
YSPIA0315-R33M	0.33±20%	19	23	5.3	7.5
YSPIA0315-R47M	0.47±20%	24	29	5.0	7.2
YSPIA0315-R56M	0.56±20%	29	35	4.5	6.5
YSPIA0315-R68M	0.68±20%	34	42	4.0	6.0
YSPIA0315-R82M	0.82±20%	39	47	3.5	5.8
YSPIA0315-1R0M	1.0±20%	43	52	3.3	5.5
YSPIA0315-1R5M	1.5±20%	62	75	3.0	4.5
YSPIA0315-2R2M	2.2±20%	91	120	2.5	4.0
YSPIA0315-3R3M	3.3±20%	126	160	2.2	3.2

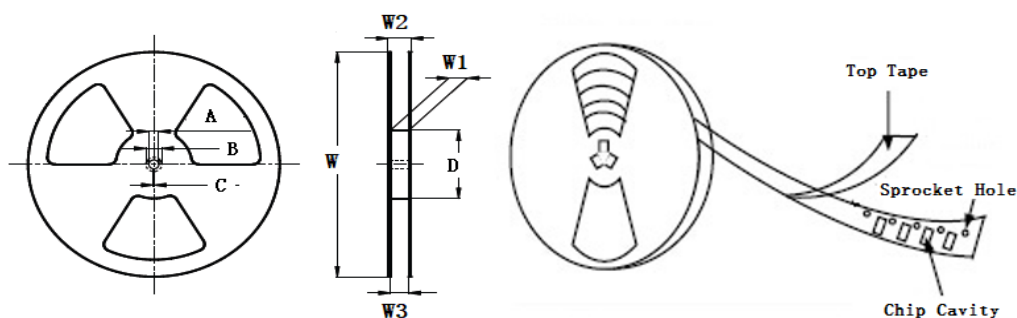
- ※ The saturation current value is the DC current value having inductance decrease down to 30%.(at 20℃)
- ※ The temperature rise current value is the DC current value having temperature increase up to 40℃. (at 20℃)
- ※ The rated current is the DC current value that satisfies both of current value saturation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

Taping Dimensions(Unit:mm)



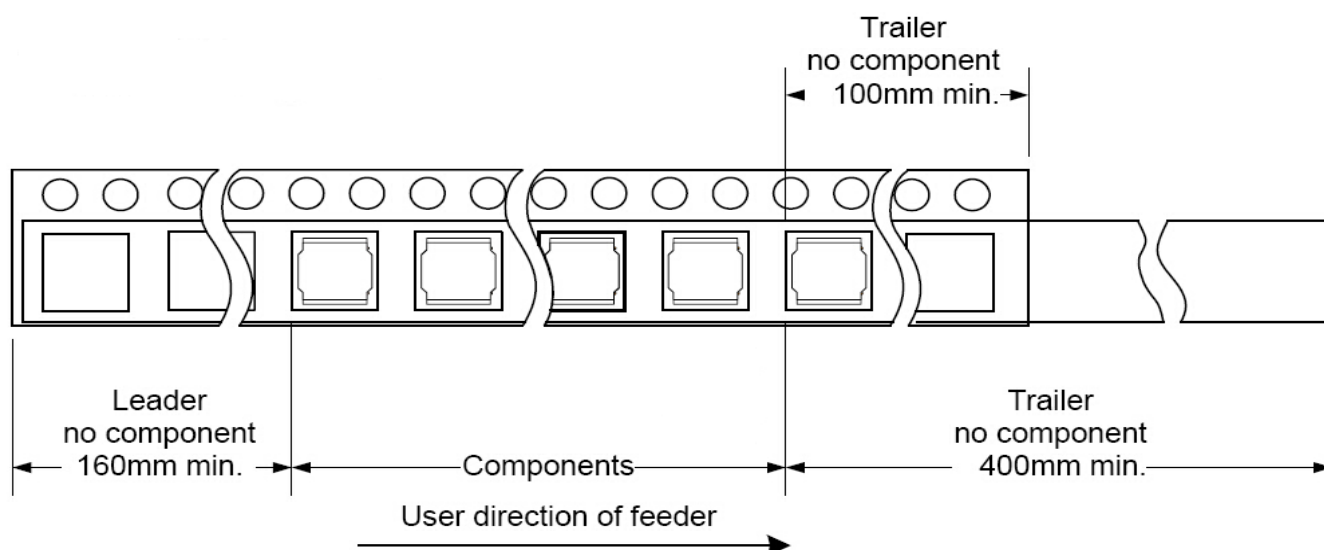
TYPE	W	A	B	C	D	E	P	K Ref	T	MPQ
YSPIA0315	12±0.3	3.3±0.1	3.7±0.1	4.75	5.5±0.1	2.1±0.1	8±0.1	1.7	0.30±0.05	1500

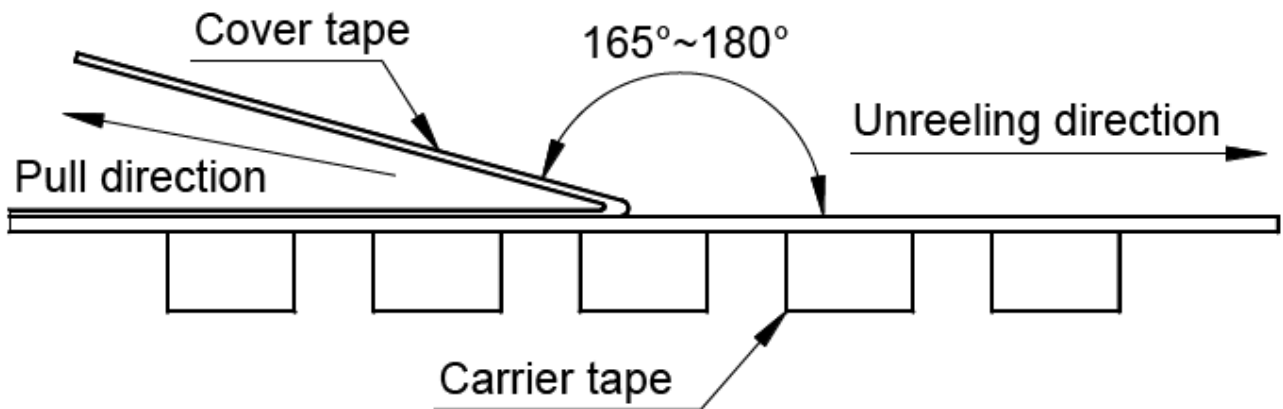
Reel Dimensions(Unit:mm)



TYPE	W	W1	W2	W3	A	B	C	D
YSPIA0315	178±2.0	12.4±1.50	18.4MAX	11.9 Min	13.0±0.50	21.0±0.80	2.0±0.50	60 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.