■ Features

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

■ Applications

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

■ Product Identification

YSPIA □□□□ – □□□ □

(1) (2) (3) (4)

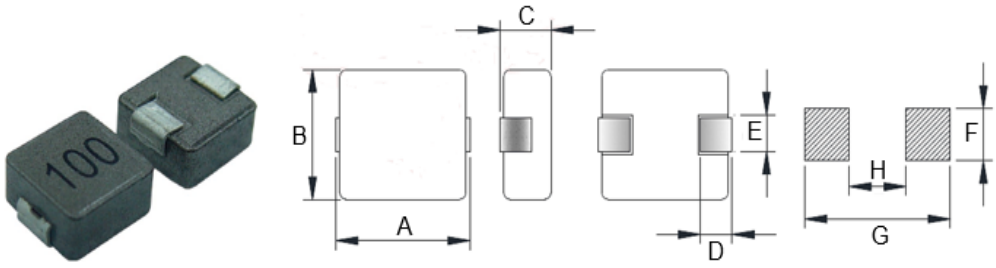
(1)： Type

(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	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

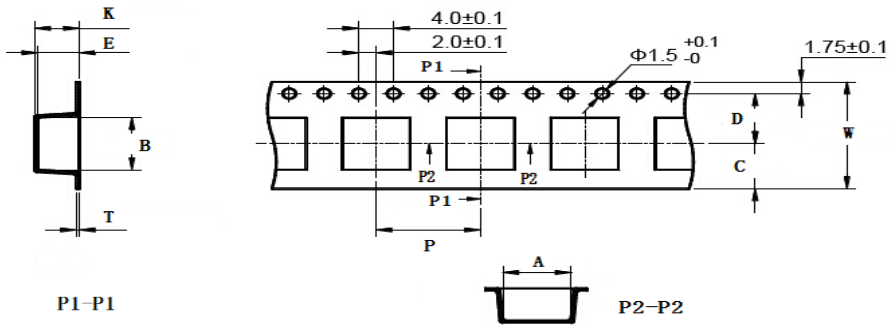
Part Number	Inductance (uH) @100KHz	DC Resistance (mΩ)		Heat Rating Current (A)	Saturation Current (A)
		Typ.	Max.		
YSPIA0315-R22☐	0.22	16	19	6.0	8.2
YSPIA0315-R33☐	0.33	19	23	5.3	7.5
YSPIA0315-R47☐	0.47	24	29	5.0	7.2
YSPIA0315-R56☐	0.56	29	35	4.5	6.5
YSPIA0315-R68☐	0.68	34	42	4.0	6.0
YSPIA0315-R82☐	0.82	39	47	3.5	5.8
YSPIA0315-1R0☐	1.00	43	52	3.3	5.5
YSPIA0315-1R5☐	1.50	62	75	3.0	4.5
YSPIA0315-2R2☐	2.20	91	120	2.5	4.0
YSPIA0315-3R3☐	3.30	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℃)

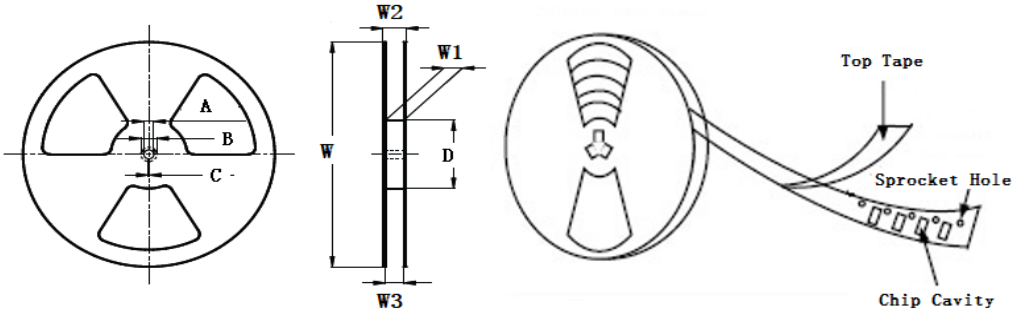
※ The rated current is the DC current value that satisfies both of current value saturation current value and temperature rise current value.

■ Taping Dimensions(Unit:mm)



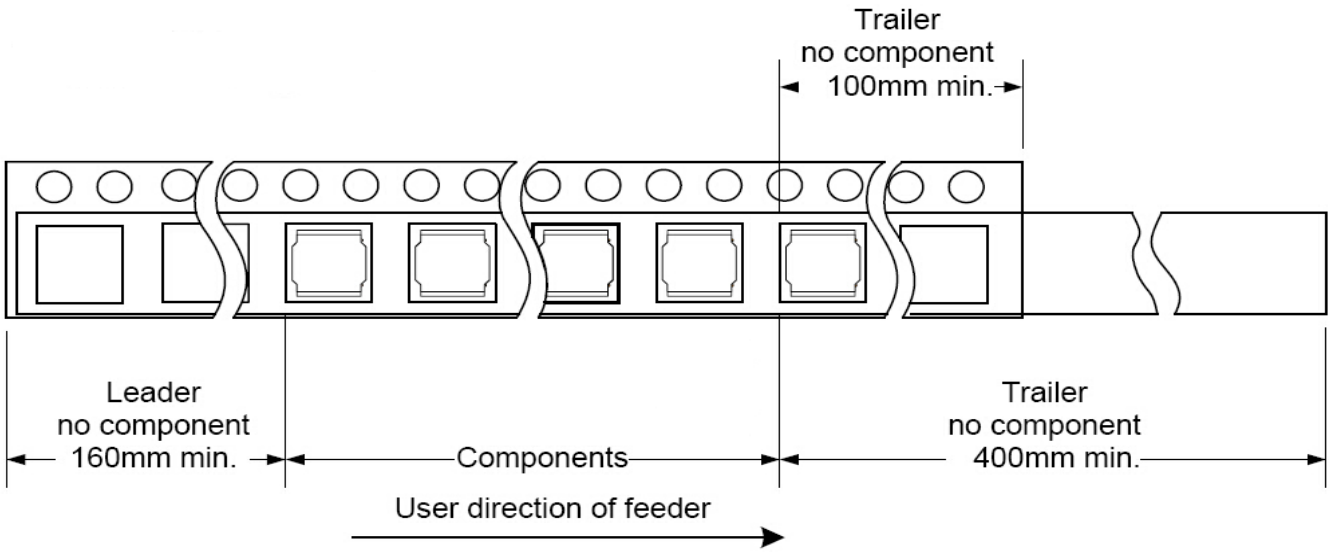
TYPE	W	A	B	C	D	E	P	K Ref	T	MPQ
YSPIA0315	12±0.3	3.3±0.1	3.7±0.1	4.75	5.5±0.1	2.1±0.1	8±0.1	1.7	0.30±0.05	1000

■ Reel Dimensions(Unit:mm)

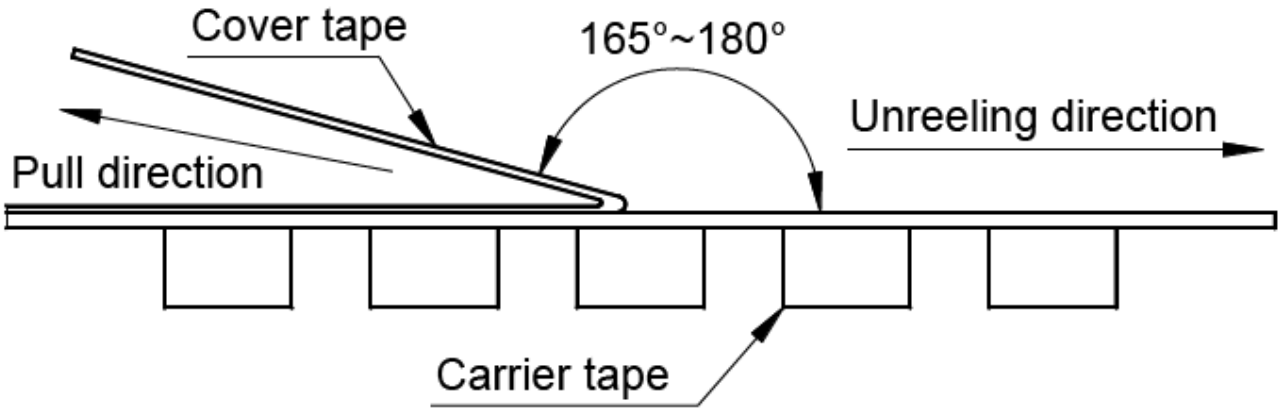


TYPE	W	W1	W2	W3	A	B	C	D
YSPIA0315	178±2.0	12.4±1.50	18.4MAX	11.9 Min	13.0±0.50	21.0±0.80	2.0±0.50	60 Min

■ Direction of rolling



■ Cover tape peel off condition



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

Reference peel speed 300±10mm/min.