

■ 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

YSPI —

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

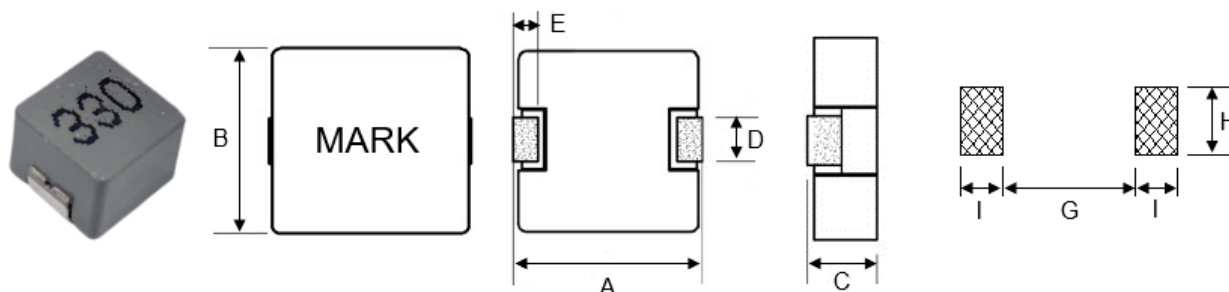
(1) : Type

(2) : Dimensions

(3) : Inductance value

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

■ Shapes and Dimensions (Unit: mm)



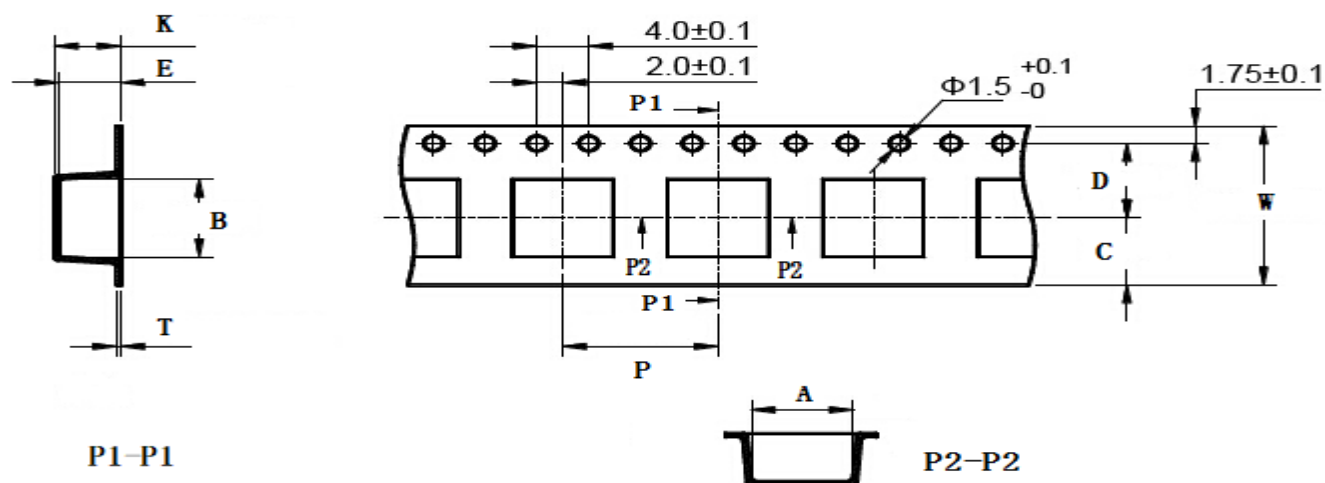
TYPE	A Max.	B	C Max.	D	E	G Ref.	H Ref.	I Ref.
YSPI0730TP	7.6	6.6±0.2	3.0	2.8±0.3 Flatten OR 3.0±0.2	1.6±0.3	3.7	3.5	2.5

■ YSPI0730TP Series

Part Number	Inductance (μ H) @100KHz	DC Resistance (m Ω)		Heat Rating Current (A)	Saturation Current (A)
		Typ.	Max.		
YSPI0730TP-R10M	0.10 $\pm$ 20%	1.2	1.5	30.0	75.0
YSPI0730TP-R12M	0.12 $\pm$ 20%	1.7	2.1	29.0	60.0
YSPI0730TP-R15M	0.15 $\pm$ 20%	1.7	2.1	28.0	53.0
YSPI0730TP-R22M	0.22 $\pm$ 20%	2.3	2.7	25.0	45.0
YSPI0730TP-R33M	0.33 $\pm$ 20%	2.6	3.2	23.0	35.0
YSPI0730TP-R36M	0.36 $\pm$ 20%	3.2	4.0	22.0	32.0
YSPI0730TP-R47M	0.47 $\pm$ 20%	3.5	4.5	21.0	31.0
YSPI0730TP-R68M	0.68 $\pm$ 20%	4.9	6.0	20.0	30.0
YSPI0730TP-R82M	0.82 $\pm$ 20%	7.3	8.5	16.0	28.0
YSPI0730TP-1R0M	1.0 $\pm$ 20%	7.5	9.0	13.0	26.0
YSPI0730TP-1R2M	1.2 $\pm$ 20%	9.3	11.0	12.0	22.0
YSPI0730TP-1R5M	1.5 $\pm$ 20%	10.5	13.0	11.0	22.0
YSPI0730TP-2R2M	2.2 $\pm$ 20%	14.5	18.5	10.0	18.0
YSPI0730TP-3R3M	3.3 $\pm$ 20%	25.0	30.0	9.0	15.0
YSPI0730TP-4R7M	4.7 $\pm$ 20%	36.0	40.0	8.0	14.0
YSPI0730TP-5R6M	5.6 $\pm$ 20%	43.0	51.0	7.0	13.0
YSPI0730TP-6R8M	6.8 $\pm$ 20%	54.0	63.0	6.0	11.0
YSPI0730TP-100M	10 $\pm$ 20%	78.0	88.0	4.5	8.0
YSPI0730TP-150M	15 $\pm$ 20%	94.0	105.0	3.5	6.0
YSPI0730TP-220M	22 $\pm$ 20%	122.0	138.0	2.5	4.0

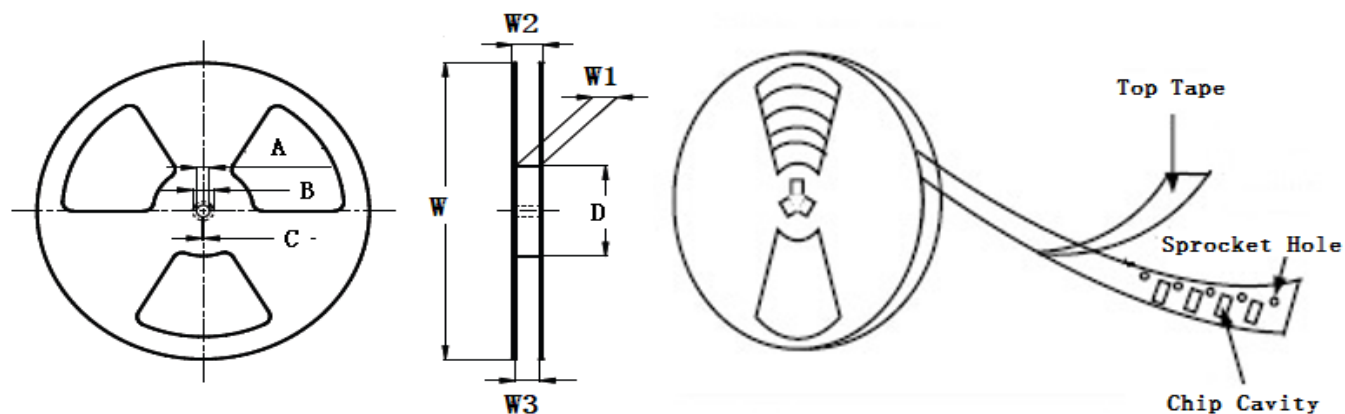
- ※ The saturation current value is the DC current value having inductance decrease down to 30%.(at 20℃)
- ※ The temperature rise current value is the DC current value having temperature increase up to 40℃. (at 20℃)
- ※ The rated current is the DC current value that satisfies both of current value saturation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

■ Taping Dimensions(Unit:mm)



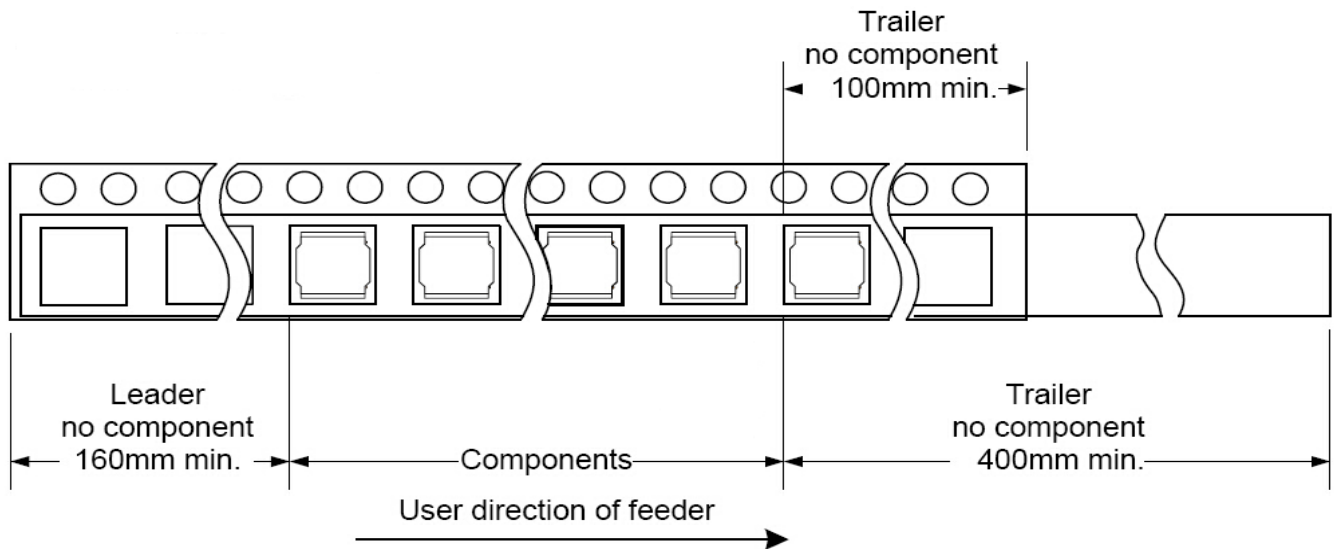
TYPE	W	A	B	C	D	E	P	K Ref	T	MPQ
YSPI0730TP	16±0.3	7.1±0.1	7.2±0.1	6.75	7.5±0.1	3.4±0.1	12.0±0.1	3.6	0.40±0.05	1500

■ Reel Dimensions(Unit:mm)

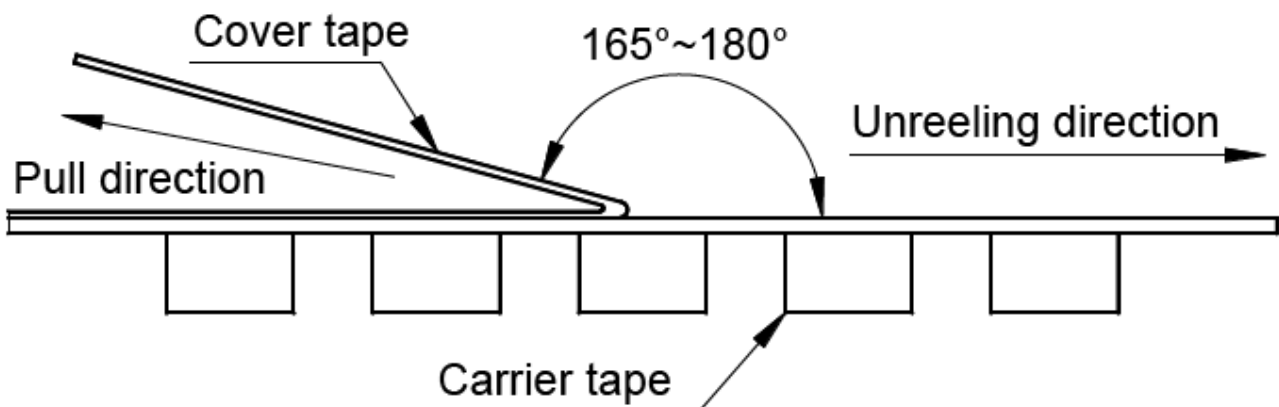


TYPE	W	W1	W2	W3	A	B	C	D
YSPI0730TP	330±2.0	16.4±2.0	22.4MAX	15.9 Min	13.0±0.50	21.0±0.80	2.0±0.50	100 Min

■ Direction of rolling



■ Cover tape peel off condition



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

Reference peel speed 300 ± 10 mm/min.