SMD Power Inductors
-YSPI0750TP Series

■ 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)

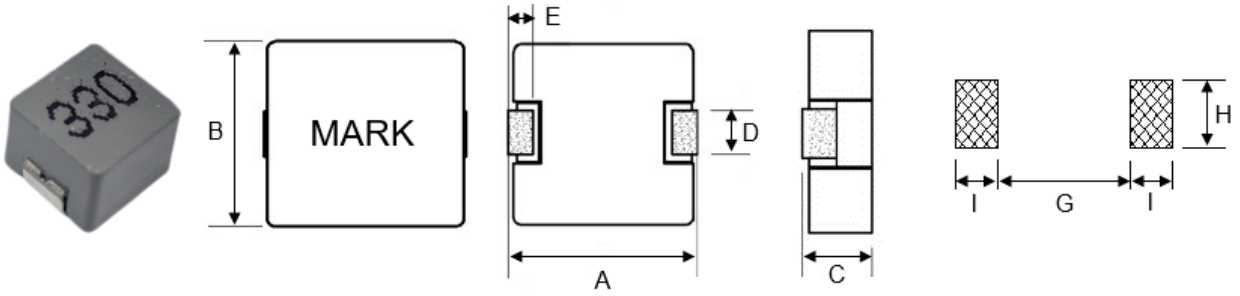
(1)： Type

(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.
YSPI0750TP	7.6	6.6±0.2	5.0	2.8±0.3 Flatten OR 3.0±0.2	1.6±0.3	3.7	3.5	2.5

■ YSPI0750TP Series

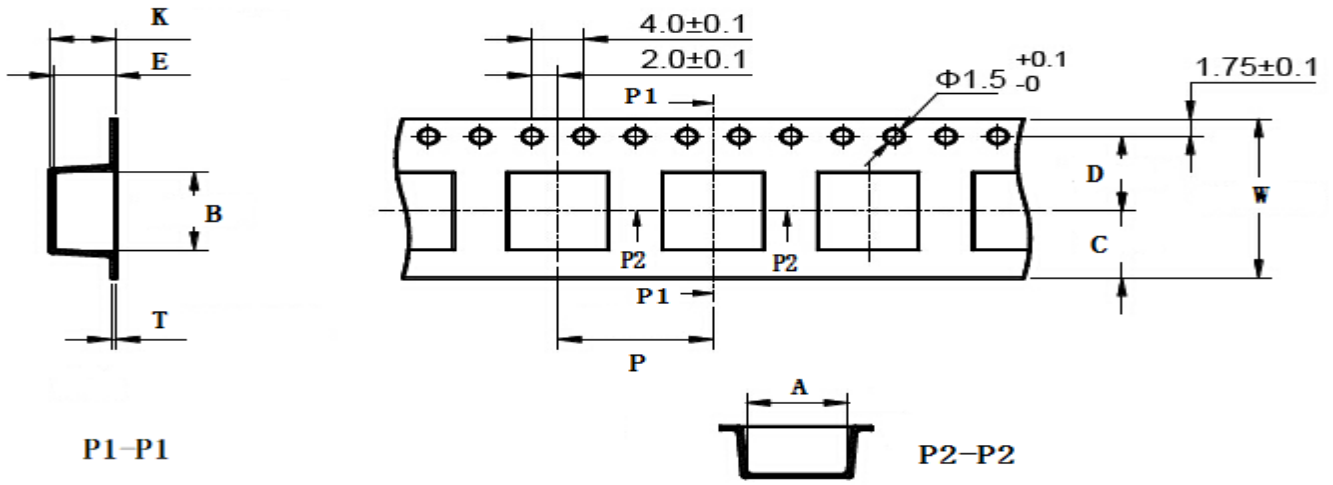
Part Number	Inductance (uH) @100KHz	DC Resistance (mΩ)		Heat Rating Current (A)	Saturation Current (A)
		Typ.	Max.		
YSPI0750TP-R47M	0.47±20%	3.2	3.6	22.0	30.0
YSPI0750TP-1R0M	1.0±20%	6.0	7.5	15.0	26.0
YSPI0750TP-2R2M	2.2±20%	9.8	12.0	11.0	18.0
YSPI0750TP-3R3M	3.3±20%	17.5	20.0	9.0	17.0
YSPI0750TP-4R7M	4.7±20%	28.0	32.0	7.0	16.0
YSPI0750TP-5R6M	5.6±20%	29.0	33.0	7.0	15.0
YSPI0750TP-6R8M	6.8±20%	33.5	40.0	6.5	13.0
YSPI0750TP-100M	10±20%	47.0	55.0	6.0	12.0
YSPI0750TP-150M	15±20%	82.0	93.0	5.0	10.0
YSPI0750TP-220M	22±20%	121	140	4.0	7.0
YSPI0750TP-330M	33±20%	145	158	3.0	6.0
YSPI0750TP-470M	47±20%	200	225	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℃)

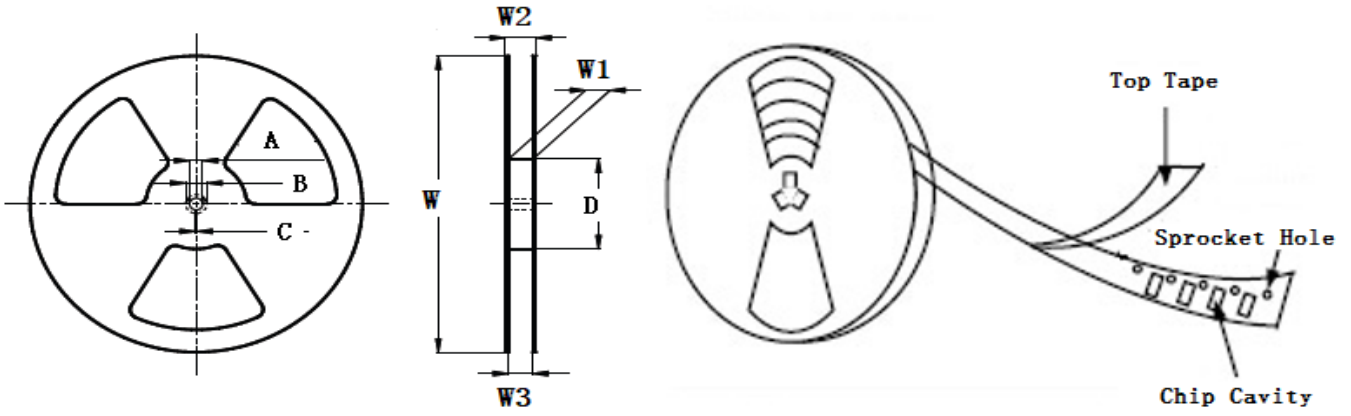
※ The rated current is the DC current value that satisfies both of current value saturation current value and temperature rise current value.

■ Taping Dimensions(Unit:mm)



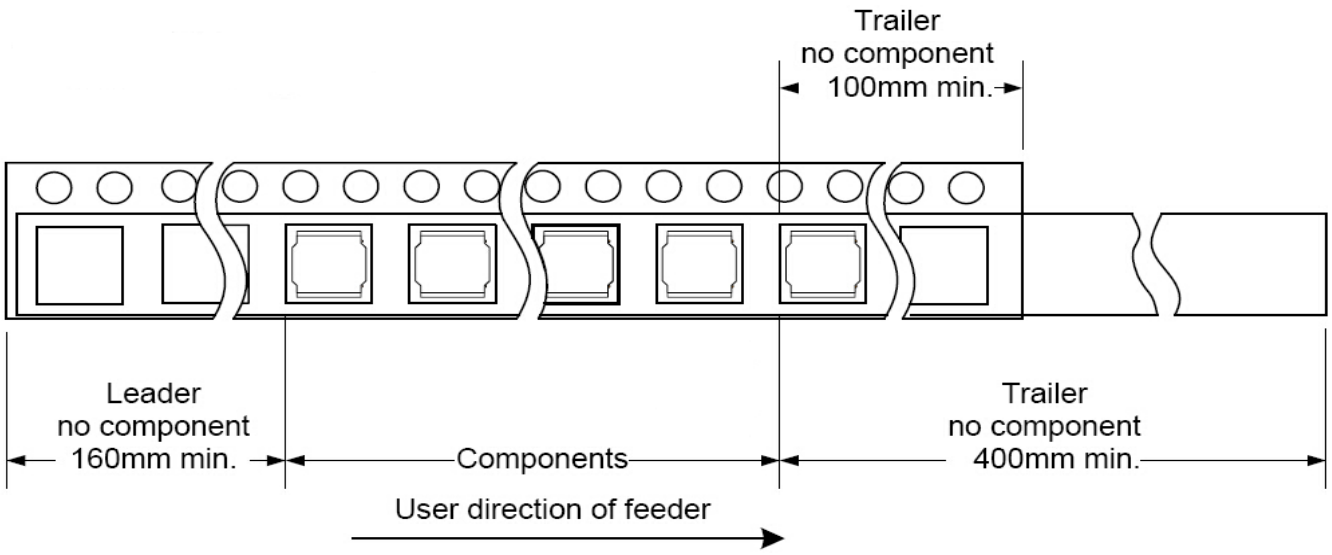
TYPE	W	A	B	C	D	E	P	K Ref	T	MPQ
YSPI0750TP	16±0.3	7.3±0.1	7.5±0.1	6.75	7.5±0.1	5.5±0.1	12.0±0.1	5.7	0.40±0.05	1000

■ Reel Dimensions(Unit:mm)

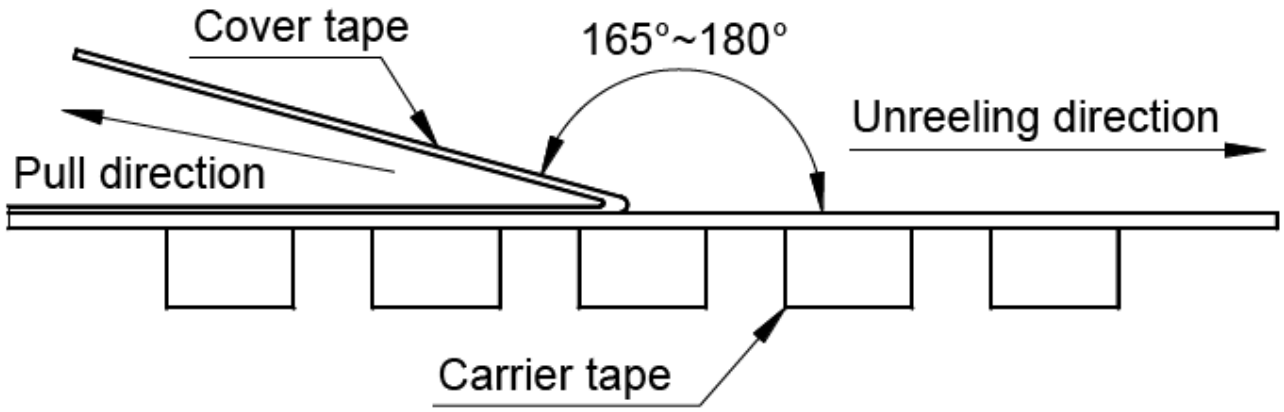


TYPE	W	W1	W2	W3	A	B	C	D
YSPI0750TP	330±2.0	16.4±2.0	22.4MAX	15.9 Min	13.0±0.50	21.0±0.80	2.0±0.50	100 Min

■ Direction of rolling



■ Cover tape peel off condition



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

Reference peel speed 300±10mm/min.