■ 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)

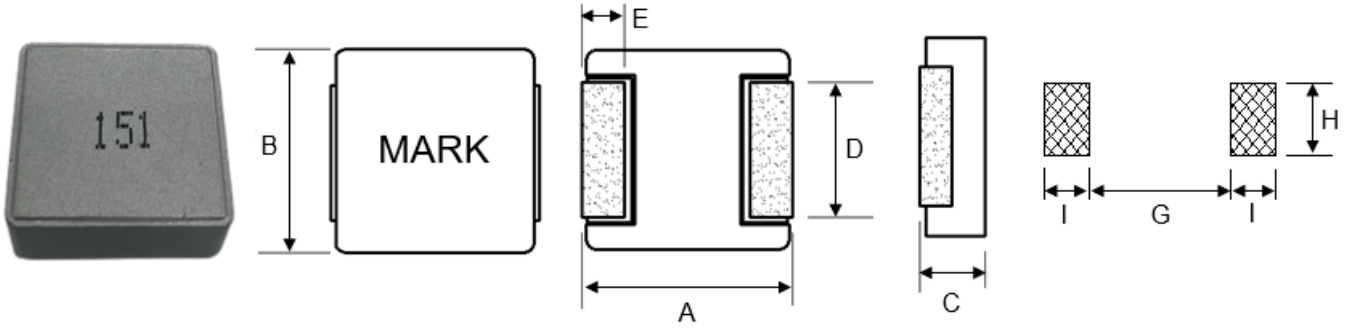
(1)： Type

(2)： Dimensions

(3)： Inductance value

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

■ Shapes and Dimensions (Unit：mm)



TYPE	A Max.	B Max.	C Max.	D	E	G Ref.	H Ref.	I Ref.
YSPI1770Y	18.5	17.15	7.0	11.94±0.3	2.5±0.5	12.4	13.0	3.8

■ YSPI1770Y Series

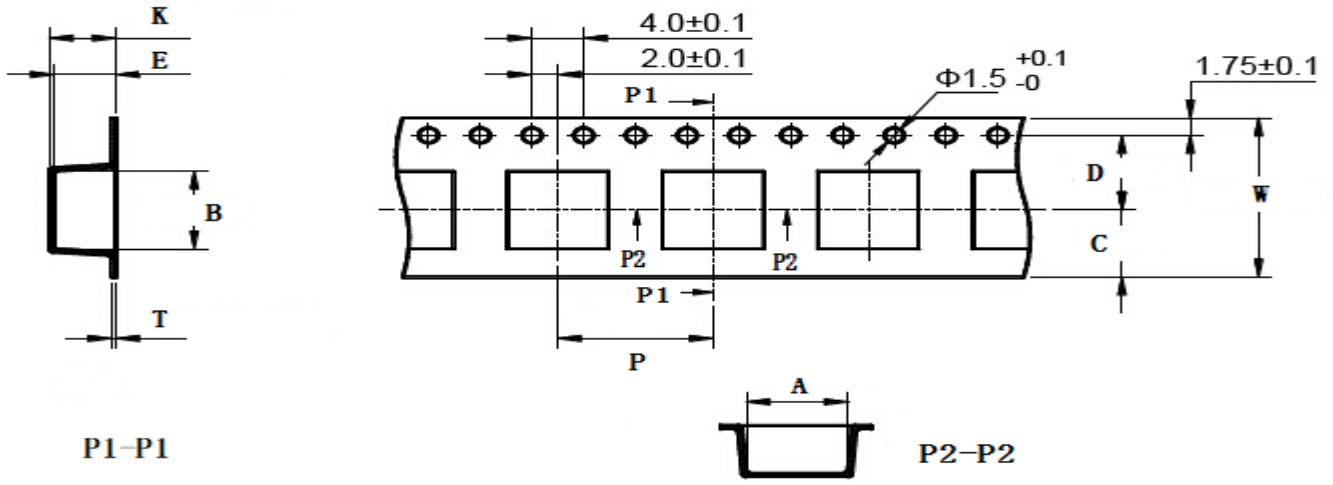
Part Number	Inductance (uH) @100KHz	DC Resistance (mΩ)		Heat Rating Current (A)	Saturation Current (A)
		Typ.	Max.		
YSPI1770Y-1R0M	1.0±20%	1.3	1.6	35.0	60.0
YSPI1770Y-1R5M	1.5±20%	2.0	2.5	33.0	50.0
YSPI1770Y-2R2M	2.2±20%	2.5	3.0	28.0	40.0
YSPI1770Y-3R3M	3.3±20%	3.0	3.6	23.0	30.0
YSPI1770Y-4R7M	4.7±20%	3.9	4.7	20.0	26.0
YSPI1770Y-5R6M	5.6±20%	4.7	5.6	19.0	24.0
YSPI1770Y-6R8M	6.8±20%	5.7	6.9	18.0	23.0
YSPI1770Y-8R2M	8.2±20%	7.2	8.4	17.0	22.0
YSPI1770Y-100M	10±20%	8.0	9.5	16.0	18.0
YSPI1770Y-150M	15±20%	17.0	21.0	12.0	16.0
YSPI1770Y-220M	22±20%	20.5	25.0	10.0	13.0
YSPI1770Y-330M	33±20%	33.0	35.0	8.0	10.0
YSPI1770Y-470M	47±20%	38.5	45.0	7.0	9.0
YSPI1770Y-680M	68±20%	64.0	73.0	5.0	8.5
YSPI1770Y-820M	82±20%	93.0	104	4.5	8.0
YSPI1770Y-101M	100±20%	104	115	4.0	7.0
YSPI1770Y-121M	120±20%	115	130	3.5	5.5
YSPI1770Y-151M	150±20%	135	150	3.0	5.0
YSPI1770Y-221M	220±20%	245	270	2.5	4.0
YSPI1770Y-351M	350±20%	382	415	2.0	3.5

※ 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℃)

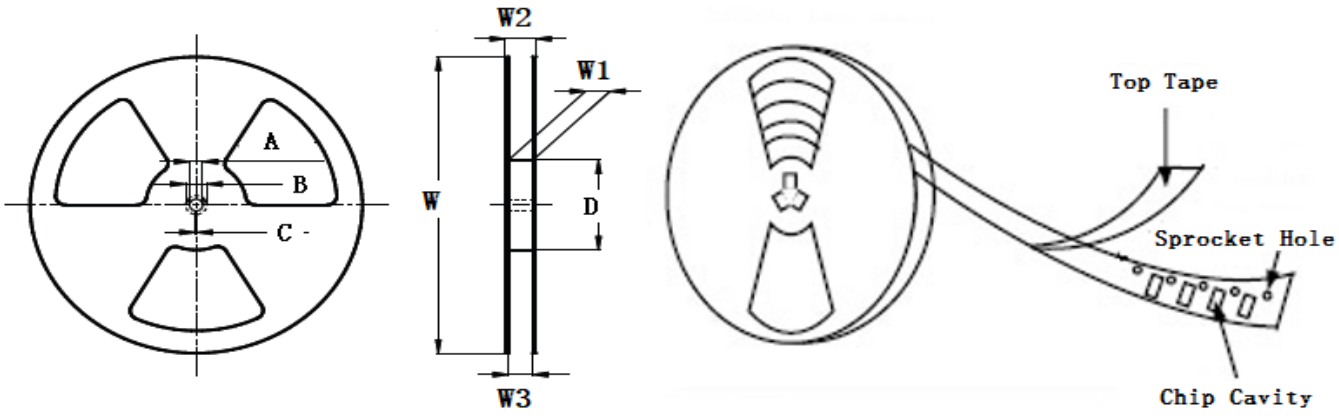
※ The rated current is the DC current value that satisfies both of current value saturation current value and temperature rise current value.

■ Taping Dimensions(Unit:mm)



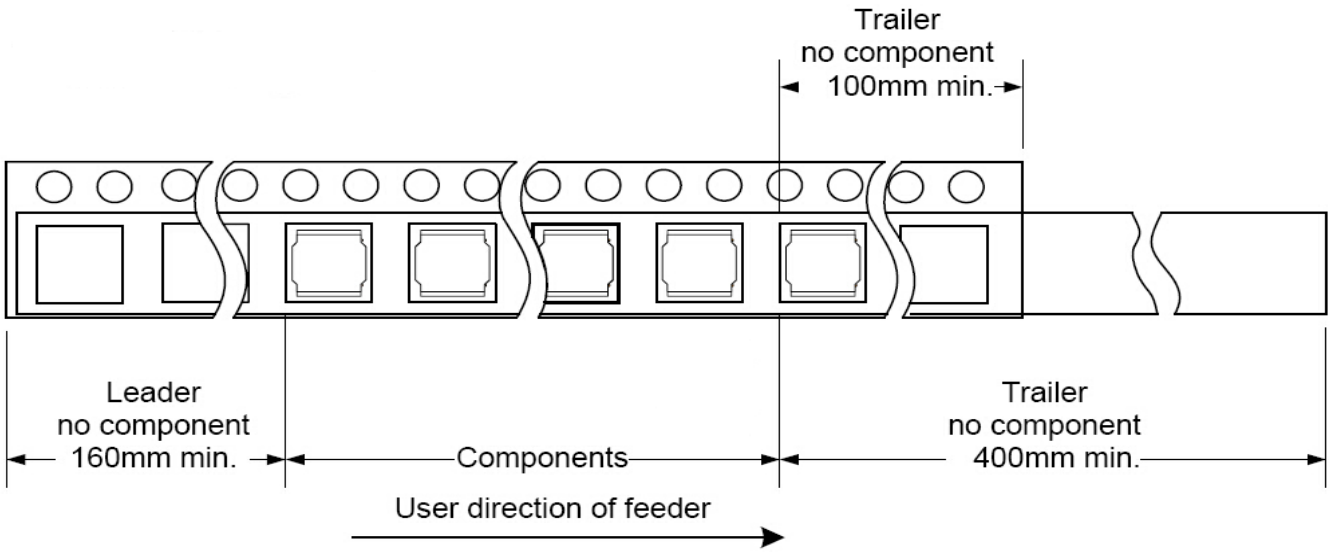
TYPE	W	A	B	C	D	E	P	K Ref	T	MPQ
YSPI1770Y	32±0.3	17.3±0.1	17.9±0.1	16.05	14.2±0.1	7.1±0.1	32±0.1	7.3	0.5±0.05	300

■ Reel Dimensions(Unit:mm)

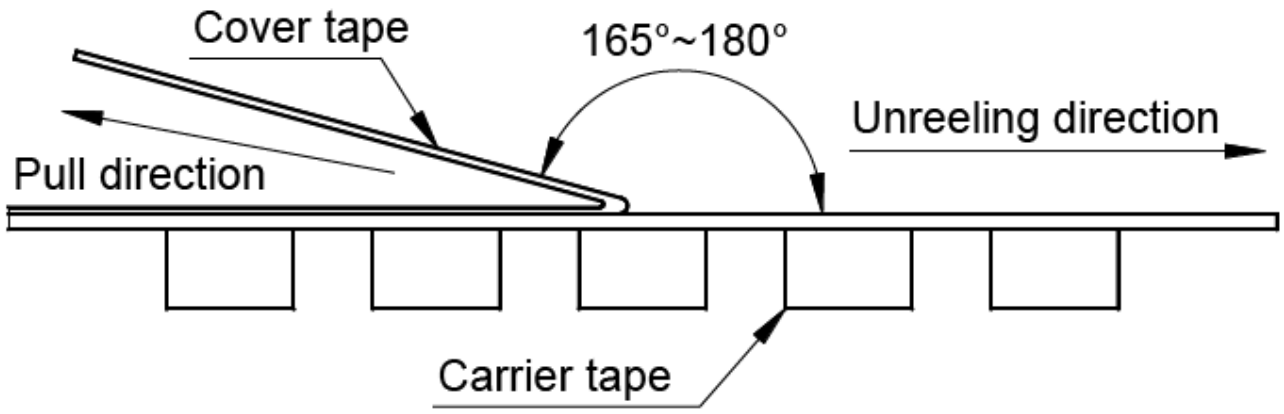


TYPE	W	W1	W2	W3	A	B	C	D
YSPI1770Y	330±2.0	32.4±2.0	38.4MAX	31.9 Min	13.0±0.50	21.0±0.80	2.0±0.50	100 Min

■ 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.