

■ Features

- Molding Inductor.
- Low Profile, Low Temp.
- Large Current (Over 15A).
- Customize For Different Need.
- Operating temperature: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$.

■ 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)

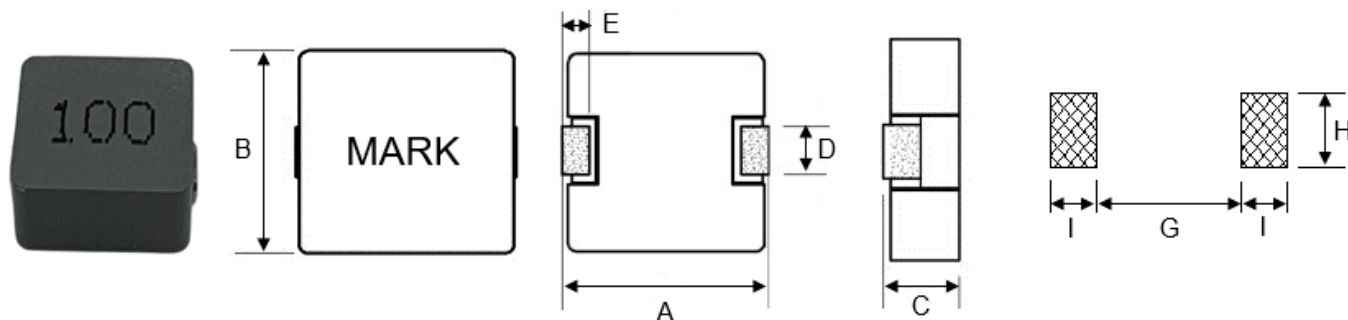
(1) : Type

(2) : Dimensions

(3) : Inductance value

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

■ Shapes and Dimensions (Unit: mm)



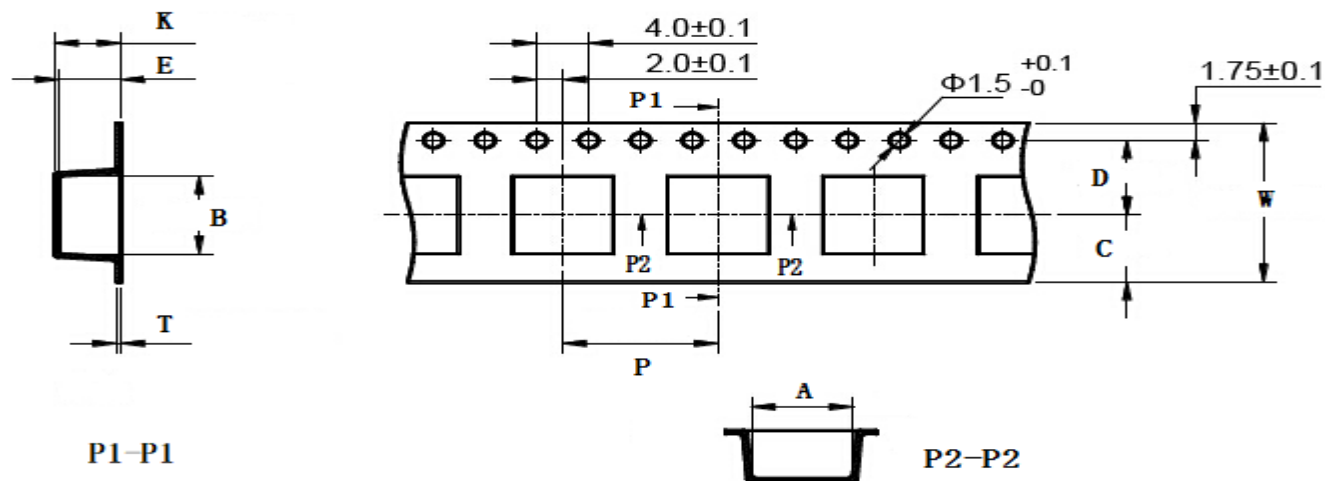
TYPE	A	B	C Max.	D	E	G Ref.	H Ref.	I Ref.
YSPI1040HP	10.5±1.0	10.3±0.3	4.0	3.0±0.3	2.0±0.5	6.0	4.0	3.5

■ YSPI1040HP Series

Part Number	Inductance (μ H) @100KHz	DC Resistance (m Ω)		Heat Rating Current (A)	Saturation Current (A)
		Typ.	Max.		
YSPI1040HP-R15M	0.15 $\pm$ 20%	0.47	0.55	45.0	70.0
YSPI1040HP-R22M	0.22 $\pm$ 20%	0.55	1.00	35.0	60.0
YSPI1040HP-R33M	0.33 $\pm$ 20%	1.10	1.30	30.0	46.0
YSPI1040HP-R47M	0.47 $\pm$ 20%	1.10	1.30	28.0	40.0
YSPI1040HP-R68M	0.68 $\pm$ 20%	1.60	1.90	23.0	32.0
YSPI1040HP-1R0M	1.0 $\pm$ 20%	2.60	3.00	16.0	26.0
YSPI1040HP-1R2M	1.2 $\pm$ 20%	4.30	5.20	15.0	24.0
YSPI1040HP-1R5M	1.5 $\pm$ 20%	4.30	5.20	15.0	22.0
YSPI1040HP-2R2M	2.2 $\pm$ 20%	6.60	8.80	13.0	18.0
YSPI1040HP-3R3M	3.3 $\pm$ 20%	10.3	12.5	12.0	16.0
YSPI1040HP-4R7M	4.7 $\pm$ 20%	17.0	20.0	10.0	14.0
YSPI1040HP-5R6M	5.6 $\pm$ 20%	19.0	22.0	9.0	12.5
YSPI1040HP-6R8M	6.8 $\pm$ 20%	20.5	25.0	8.5	12.0
YSPI1040HP-8R2M	8.2 $\pm$ 20%	26.0	30.0	8.0	10.0
YSPI1040HP-100M	10 $\pm$ 20%	25.4	30.0	7.8	8.5
YSPI1040HP-150M	15 $\pm$ 20%	42.0	48.0	6.5	7.0
YSPI1040HP-220M	22 $\pm$ 20%	58.0	65.0	5.2	6.0
YSPI1040HP-330M	33 $\pm$ 20%	84.0	92.0	4.0	5.0

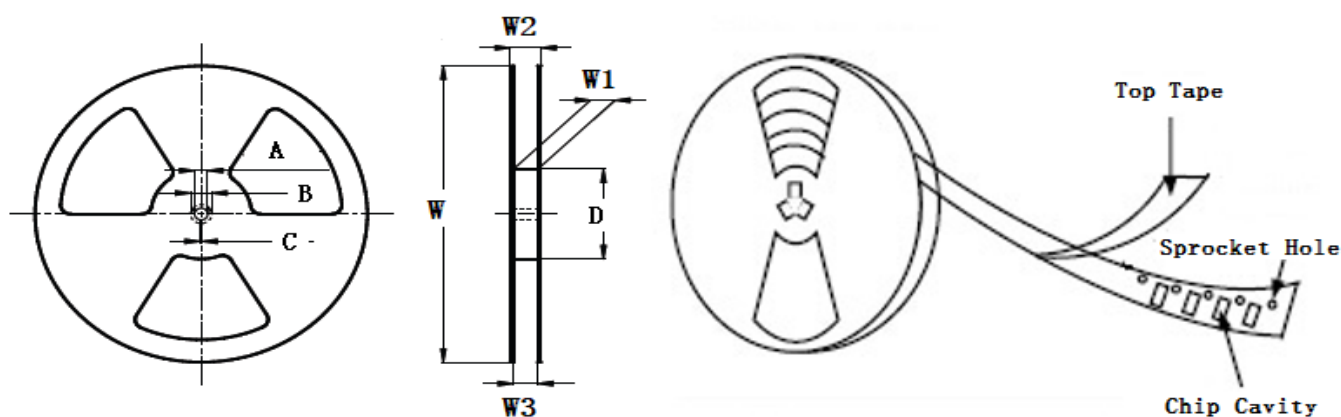
- ※ The saturation current value is the DC current value having inductance decrease down to 30%.(at 20℃)
- ※ The temperature rise current value is the DC current value having temperature increase up to 40℃. (at 20℃)
- ※ The rated current is the DC current value that satisfies both of current value saturation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

Taping Dimensions(Unit:mm)



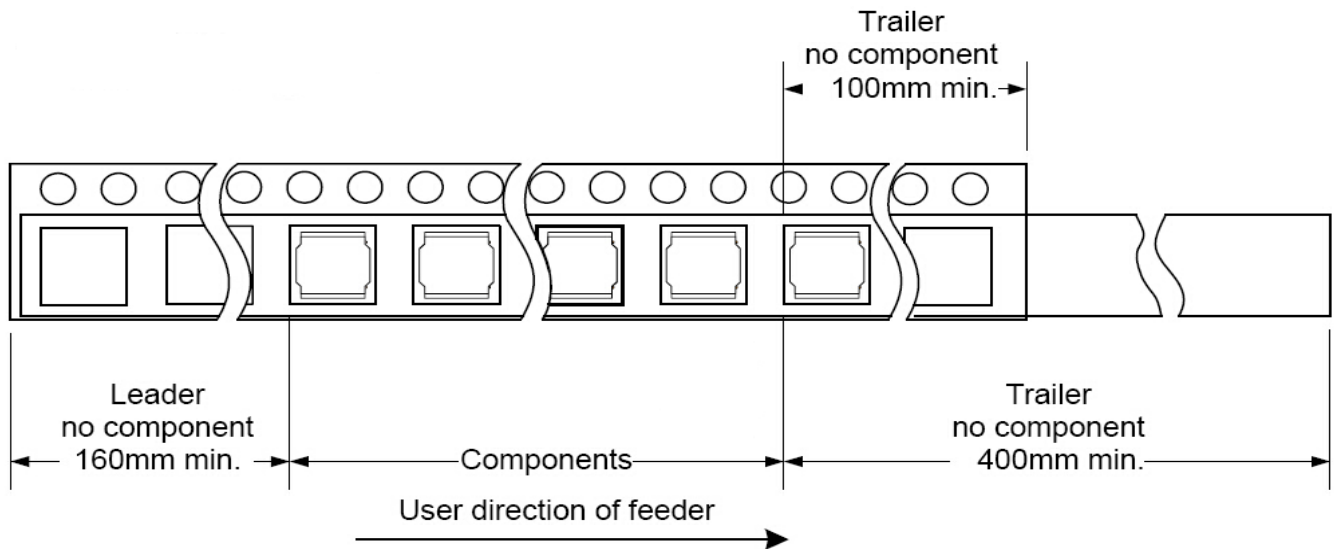
TYPE	W	A	B	C	D	E	P	K Ref	T	MPQ
YSPI1040HP	24±0.3	10.6±0.1	11.45±0.1	10.75	11.5±0.1	5.5±0.1	16±0.1	5.1	0.40±0.05	1000

Reel Dimensions(Unit:mm)

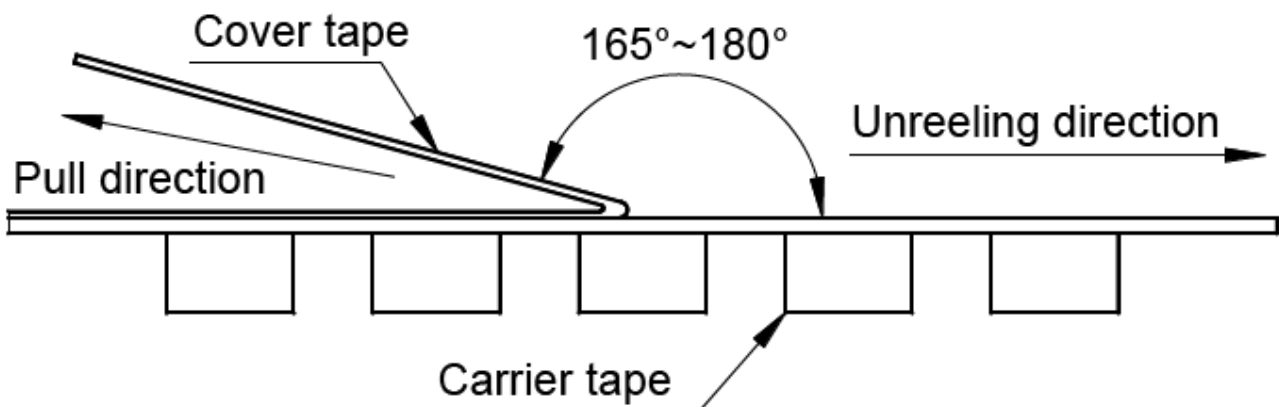


TYPE	W	W1	W2	W3	A	B	C	D
YSPI1040HP	330±2.0	24.4±1.5	30.4MAX	23.9 Min	13.0±0.50	21.0±0.80	2.0±0.50	100 Min

■ 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.