

## ■ 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

$\frac{\text{YSPI}}{(1)} \quad \frac{\square\square\square\square}{(2)} - \frac{\square\square\square}{(3)} \quad \frac{\square}{(4)}$

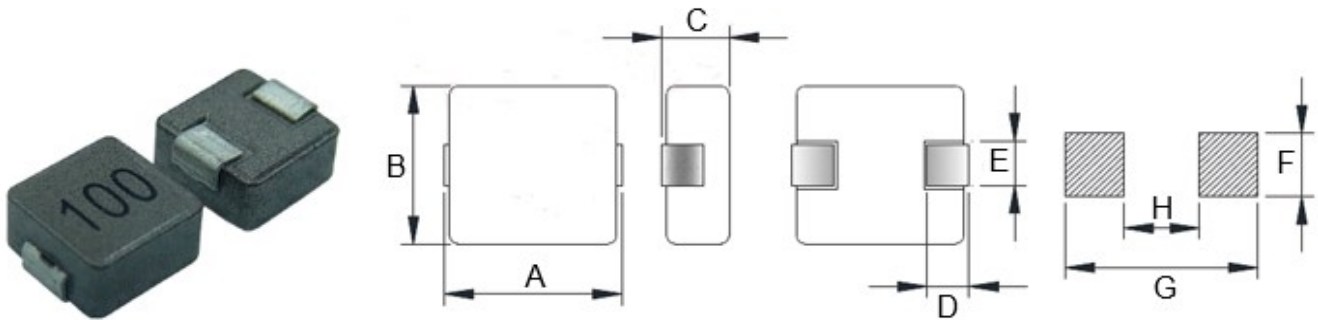
(1) : Type

(2) : Dimensions

(3) : Inductance value

(4) : Inductance Tolerance: N=±30%,M=±20%, K=±10%

## ■ Shapes and Dimensions (Unit: mm)



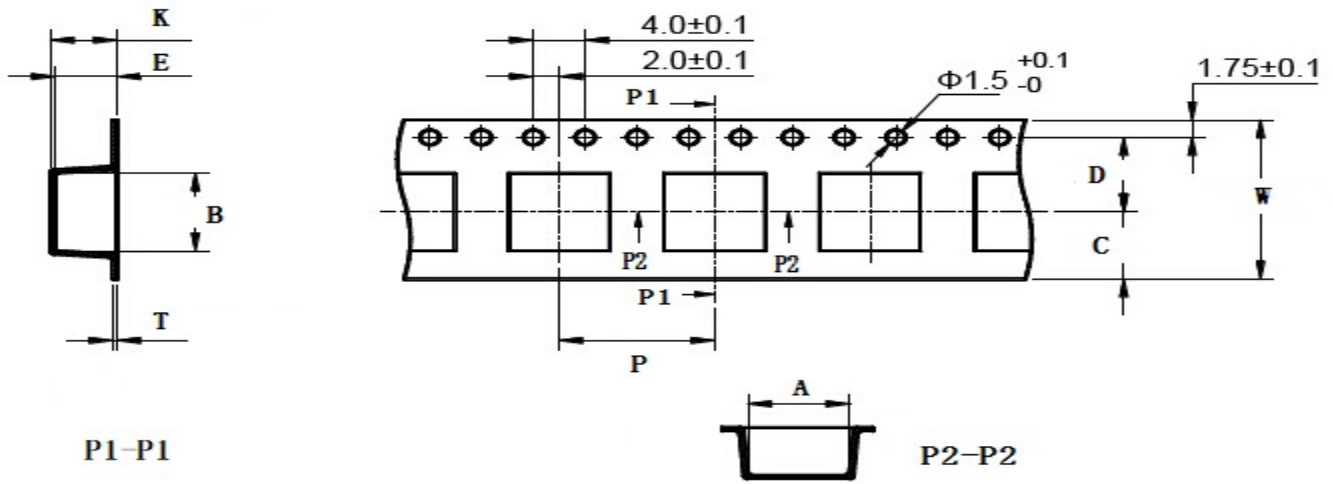
TYPE	A	B	C Max.	D	E Ref.	F Ref.	G Ref.	H Ref.
YSPI0550	5.4±0.5	5.2±0.5	5.0	1.0±0.3	2.0±0.5	2.5	7.0	3.0

## ■ YSPI0550 Series

Part Number	Inductance (uH) @100KHz	DC Resistance (mΩ)		Heat Rating Current (A)	Saturation Current (A)
		Typ.	Max.		
YSPI0550-2R2□	2.20	18	24	5.0	8.0
YSPI0550-6R8□	6.80	58	70	3.0	5.4
YSPI0550-100□	10.0	80	103	2.5	4.5
YSPI0550-150□	15.0	140	180	2.0	4.0
YSPI0550-220□	22.0	180	230	1.5	2.5
YSPI0550-330□	33.0	345	445	1.5	2.0
YSPI0550-470□	47.0	404	527	1.0	2.0
YSPI0550-560□	56.0	456	600	0.8	1.0

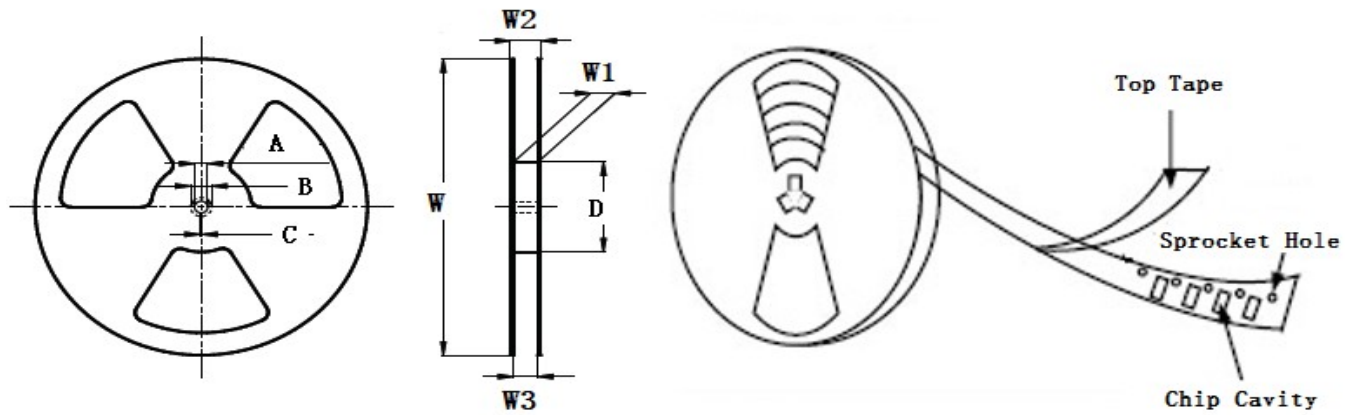
- ※ The saturation current value is the DC current value having inductance decrease down to 30%. (at 20°C)
- ※ The temperature rise current value is the DC current value having temperature increase up to 40°C. (at 20°C)
- ※ The rated current is the DC current value that satisfies both of current value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

**■ Taping Dimensions(Unit:mm)**



TYPE	W	A	B	C	D	E	P	K Ref	T	MPQ
YSPI0550	12±0.3	5.1±0.1	5.30±0.1	4.75	5.5±0.1	3.4±0.1	8±0.1	5.1	0.35±0.05	1500

**■ Reel Dimensions(Unit:mm)**



TYPE	W	W1	W2	W3	A	B	C	D
YSPI0550	330±2.0	12.8±1.50	18.4MAX	11.9 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.

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