

■ 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) (5)

(1) : Type

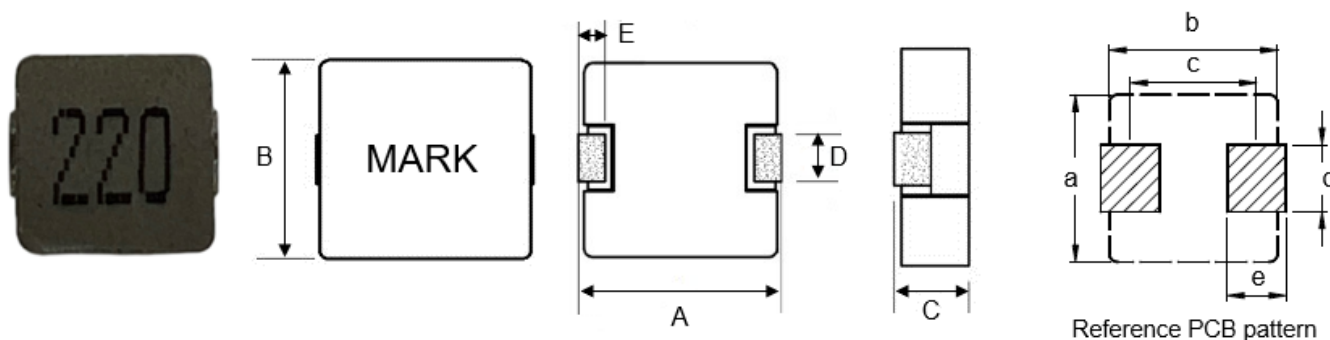
(2) : Dimensions

(3) : Inductance value

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

(5) : Lettering mark

■ Shapes and Dimensions (Unit: mm)



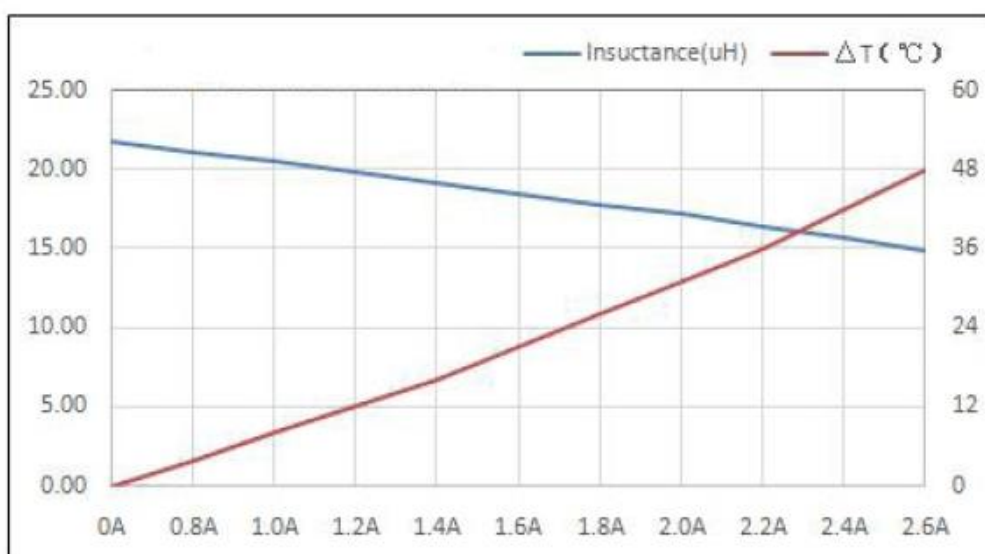
TYPE	A	B	C Max.	D	E	a Ref.	b Ref.	c Ref.	d Ref.	e Ref.
YSPI0640	6.5±0.5	6.0±0.3	4.0	2.5±0.3	1.3±0.3	6.5	7.0	4.5	3.0	2.4

■ Electrical characteristics

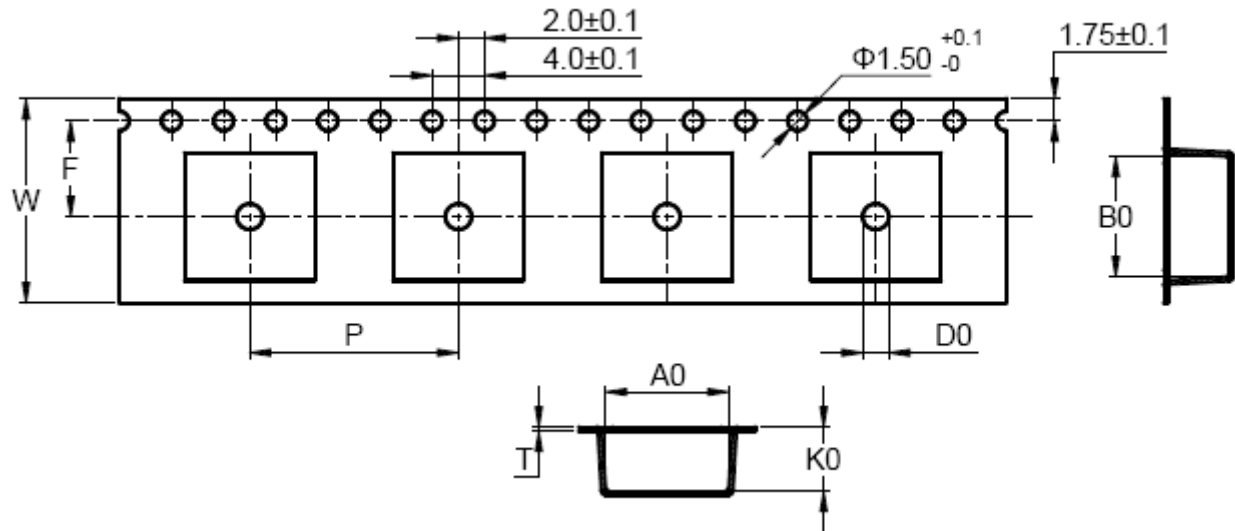
Part Number	Inductance (uH) @100KHz	DC Resistance (mΩ)		Heat Rating Current (A)	Saturation Current (A)
		Typ.	Max.		
YSPI0640-220MGS	22±20%	91	120	2.3	2.5

- ※ 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.

■ Heat rating current VS saturation current curve

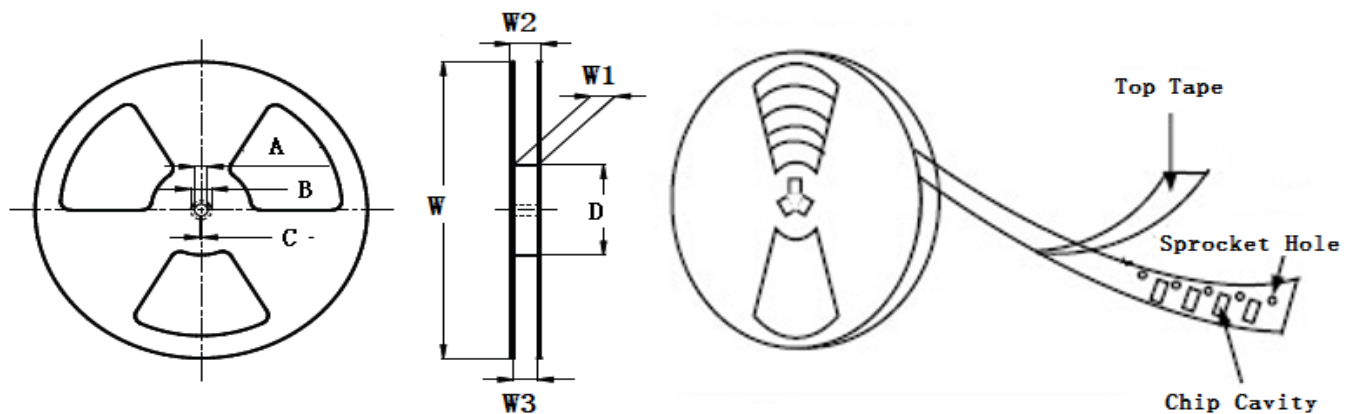


■ Taping Dimensions(Unit:mm)



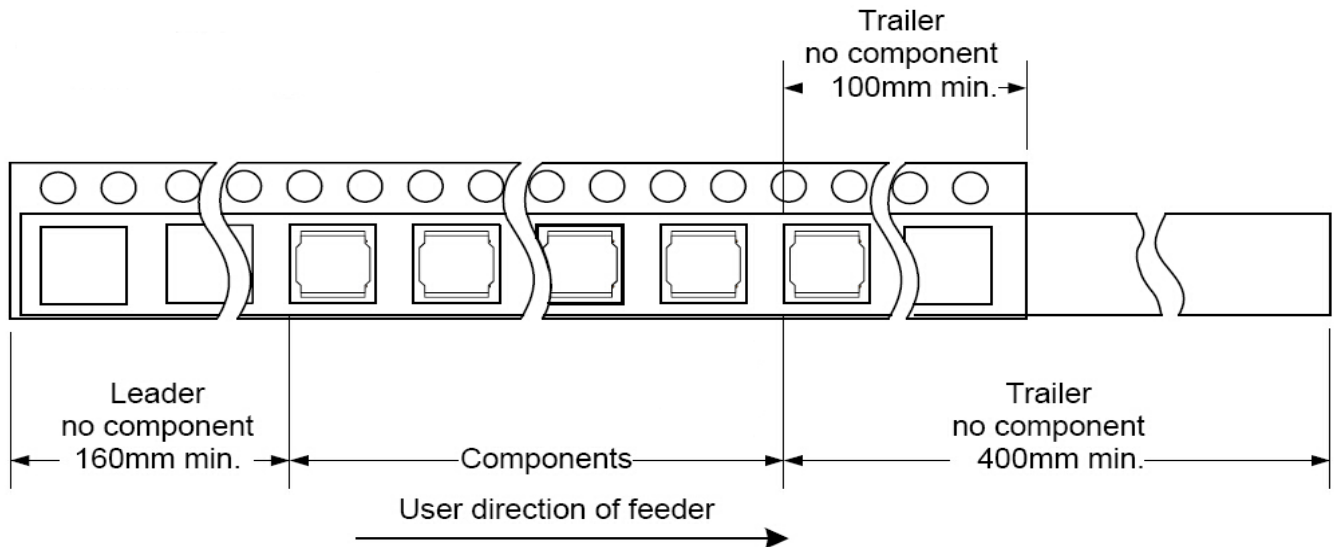
TYPE	W	A0	B0	K0	P	F	T	D0	MPQ
YSPI0640	16±0.3	6.3±0.1	6.8±0.1	4.2±0.1	12.0±0.1	7.5±0.1	0.35±0.05	N/A	1000

■ Reel Dimensions(Unit:mm)

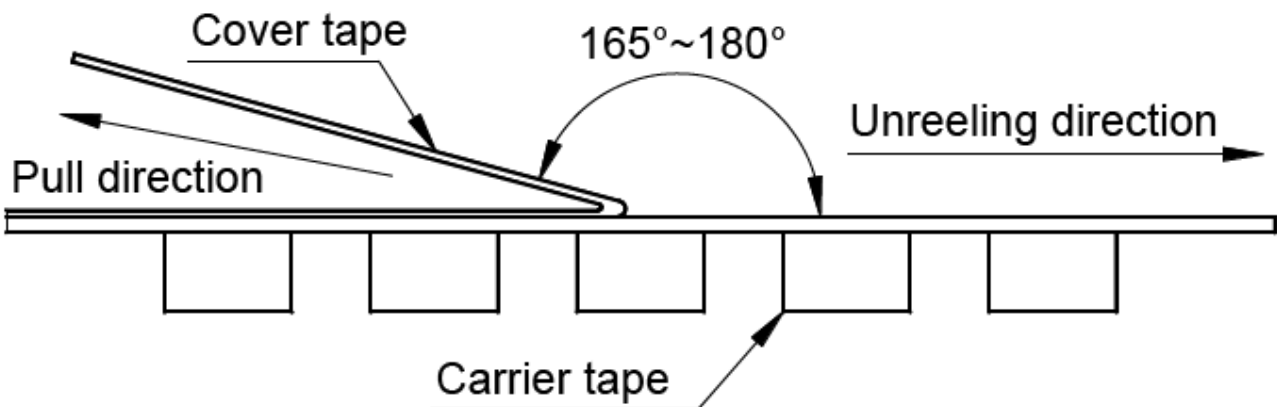


TYPE	W	W1	W2	W3	A	B	C	D
YSPI0640	330±2.0	16.4±2.0	22.4MAX	15.9 Min	13.0±0.50	21.0±0.80	2.0±0.50	100 Min

■ 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.