

■ Features

- Low-profile type with low RDC and large current.
- The magnetic shielded type is suitable and high density mounting.
- Available on tape and reel for auto-insertion.
- Ideal for variety of DC-DC converter inductor applications..
- Operating temperature:-40℃ ~ +125℃.

■ Applications

- Portable communication equipment.
- Notebook PC,digital camera,LCD television set.
- Power supply for VTR,OA equipment.
- DC/DC converters.

■ Product Identification

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

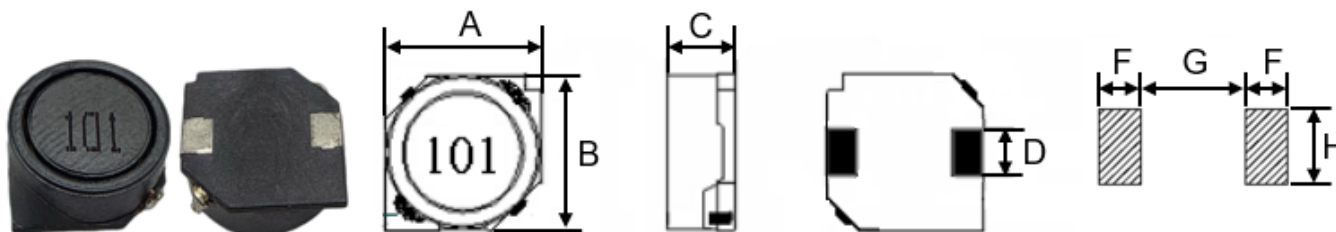
(1) : Type

(2) : Dimensions

(3) : Inductance value

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

■ Shapes and Dimensions (Unit: mm)



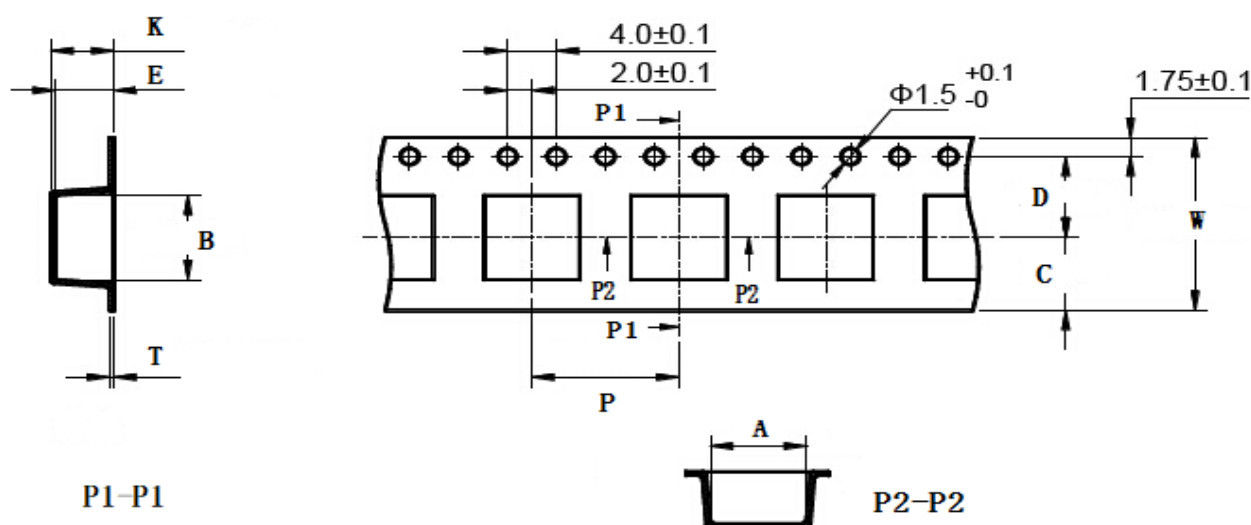
TYPE	A	B	C	D Ref.	F Ref.	G Ref.	H Ref.
YSLF1045	10.1±0.3	10.1±0.3	4.5±0.3	2.7	2.5	5.8	3.0

■ Electrical Characteristics

Part Number	Inductance (uH)	Test Freq.(KHz)	DCR Max.(Ω)	Rated Current Max. (A)
YSLF1045-101M	100±20%	100	0.240	1.00

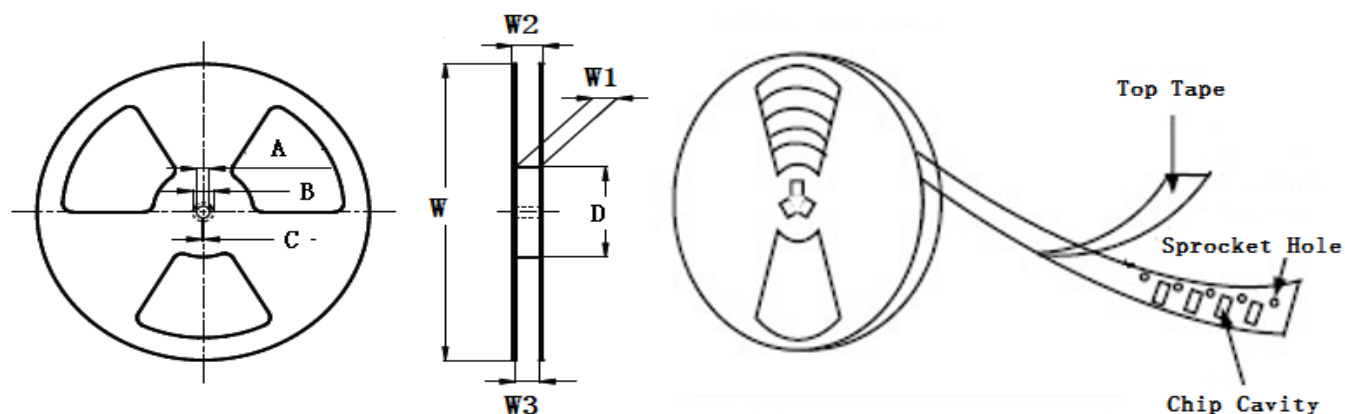
- ※ The saturation current value is the DC current value having inductance decrease down to 30%.(at 20℃)
- ※ The temperature rise current value is the DC current value having temperature increase up to 40℃. (at 20℃)
- ※ The rated current is the DC current value that satisfies both of current value saturation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

Taping Dimensions(Unit:mm)



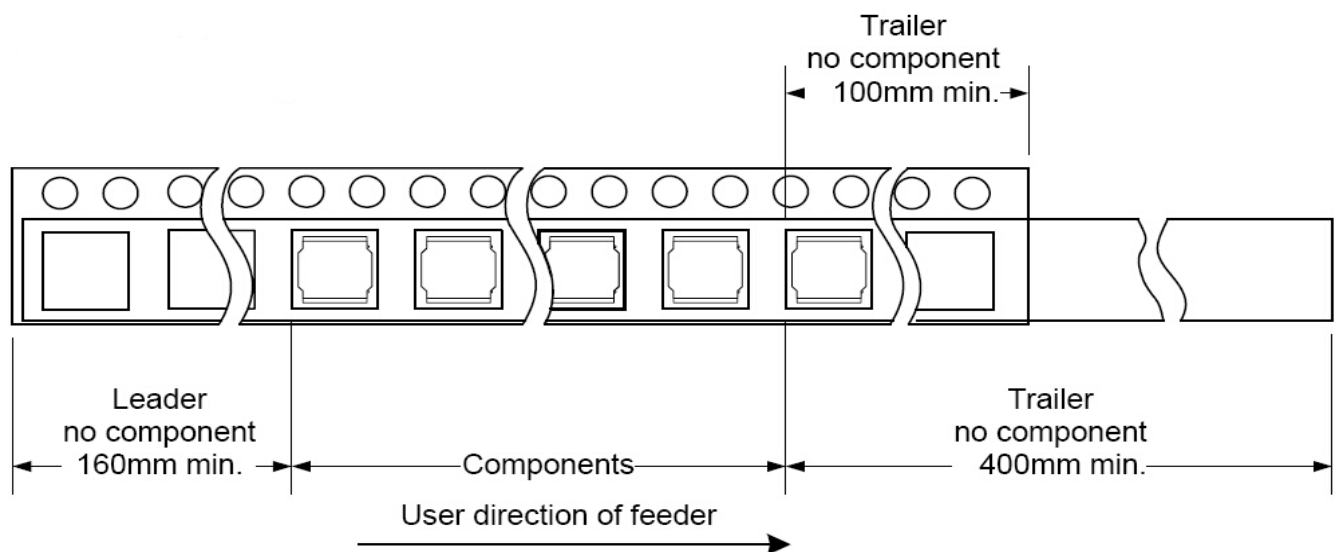
TYPE	W	A	B	C	D	E	P	K Ref	T	MPQ
YSLF1045	24±0.3	10.8±0.1	10.8±0.1	10.75	11.5±0.1	4.75±0.1	16±0.1	4.95	0.35±0.05	800

Reel Dimensions(Unit:mm)

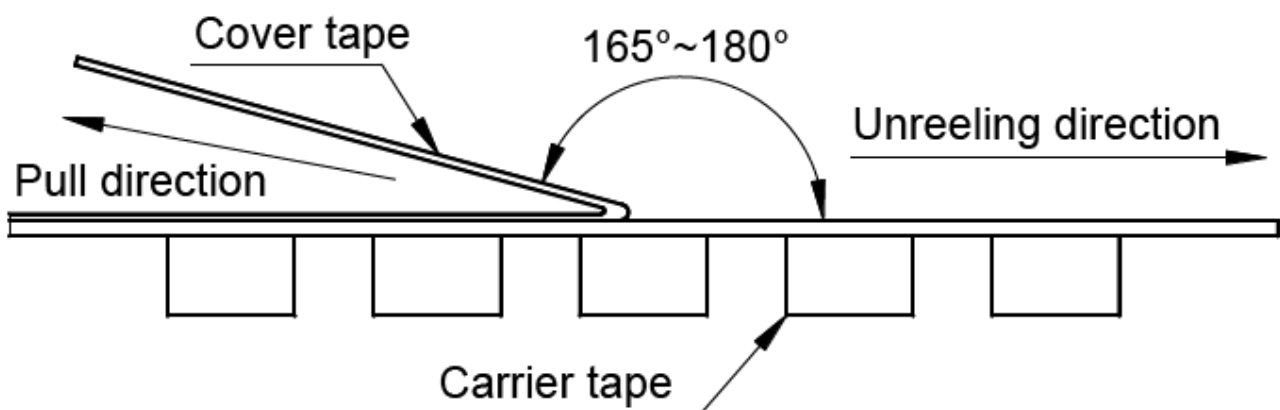


TYPE	W	W1	W2	W3	A	B	C	D
YSLF1045	330±2.0	24.4±1.50	30.4MAX	23.9 Min	13.0±0.50	21.0±0.80	2.0±0.50	100 Min

■ 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.