

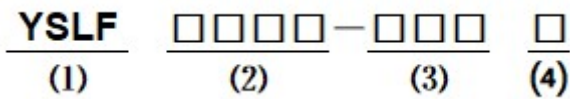
**■ Features**

- 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°C ~ +125°C.

**■ Applications**

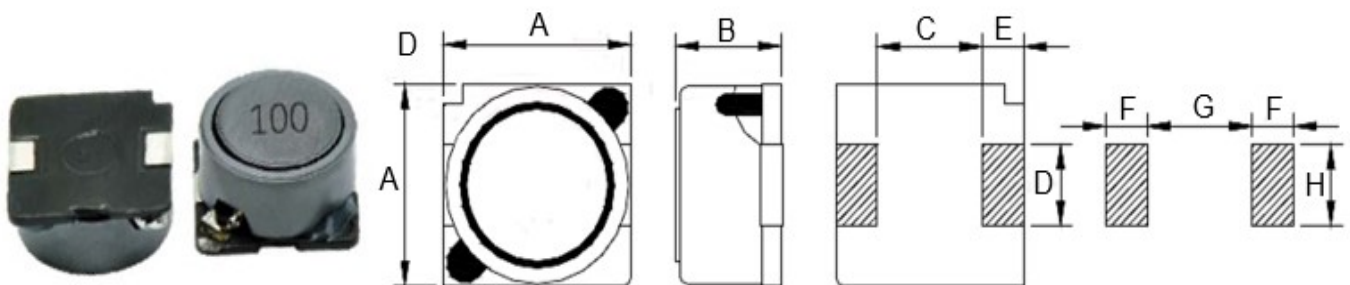
- Portable communication equipment.
- Notebook PC,digital camera,LCD television set.
- Power supply for VTR,OA equipment.
- DC/DC converters.

**■ Product Identification**



- (1) : Type
- (2) : Dimensions
- (3) : Inductance value
- (4) : Inductance Tolerance; N=±30%,M=±20%, K=±10%

**■ Shapes and Dimensions (Unit: mm)**



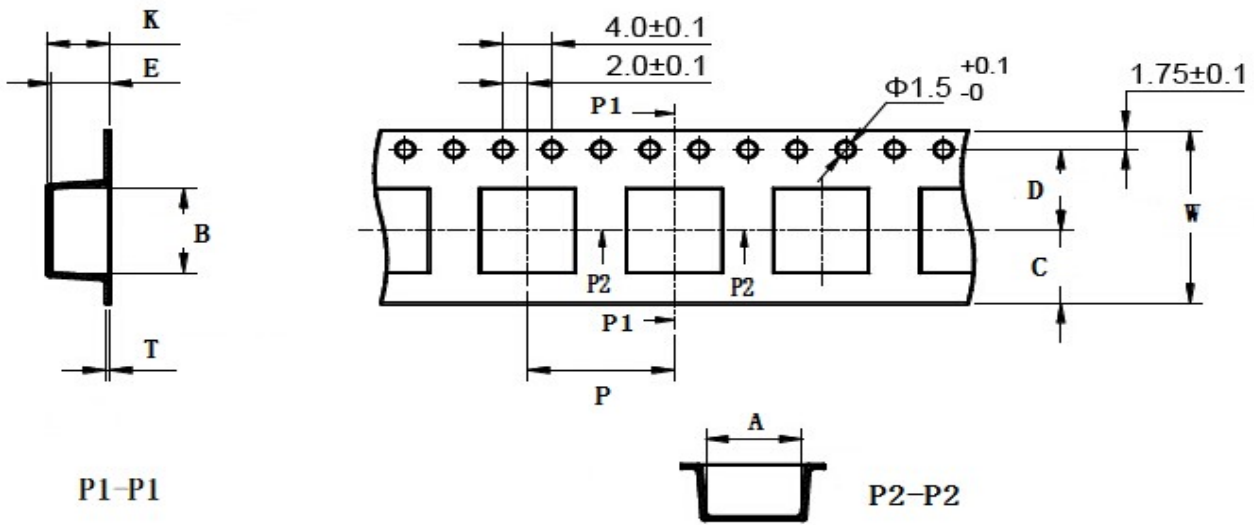
TYPE	A	B	C	D	E	F Ref.	G Ref.	H Ref.
YSLF1275	12.5±0.3	7.5±0.3	8.0±0.2	3.0±0.2	2.0	2.5	8.6	3.2

## ■ YSLF1275 Series

Part Number	Inductance (uH)	Test Freq.(KHz)	DCR Max.(Ω)	Rated Current Max.
YSLF1275-1R2□	1.2	100	0.009	8.20
YSLF1275-2R7□	2.7	100	0.012	7.00
YSLF1275-3R9□	3.9	100	0.013	6.70
YSLF1275-5R6□	5.6	100	0.014	6.30
YSLF1275-6R8□	6.8	100	0.016	5.90
YSLF1275-100□	10	100	0.019	5.40
YSLF1275-150□	15	100	0.028	4.70
YSLF1275-220□	22	100	0.032	4.00
YSLF1275-330□	33	100	0.048	3.20
YSLF1275-470□	47	100	0.064	2.70
YSLF1275-680□	68	100	0.094	2.00
YSLF1275-101□	100	100	0.150	1.90
YSLF1275-151□	150	100	0.210	1.50
YSLF1275-221□	220	100	0.310	1.30

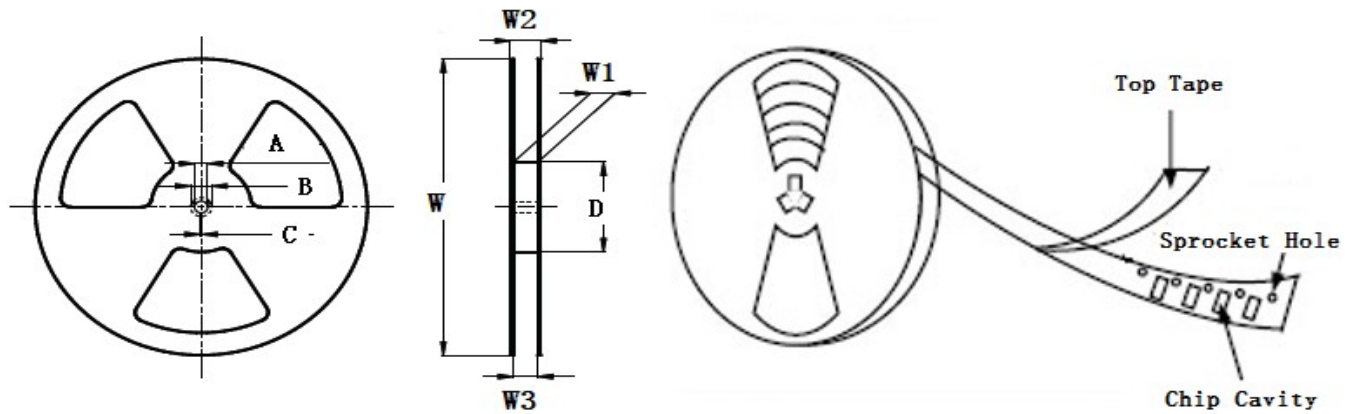
- ※ The saturation current value is the DC current value having inductance decrease down to 30%.(at 20°C)
- ※ The temperature rise current value is the DC current value having temperature increase up to 40°C. (at 20°C)
- ※ The rated current is the DC current value that satisfies both of current value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

**■ Taping Dimensions(Unit:mm)**



TYPE	W	A	B	C	D	E	P	K Ref	T	MPQ
YSLF1275	24±0.3	12.8±0.1	12.8±0.1	10.75	11.5±0.1	8.1±0.1	16±0.1	8.30	0.35±0.05	500

**■ Reel Dimensions(Unit:mm)**



TYPE	W	W1	W2	W3	A	B	C	D
YSLF1275	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  $300 \pm 10$  mm/min.

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