

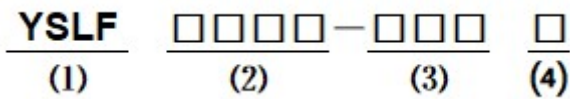
■ Features

- 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

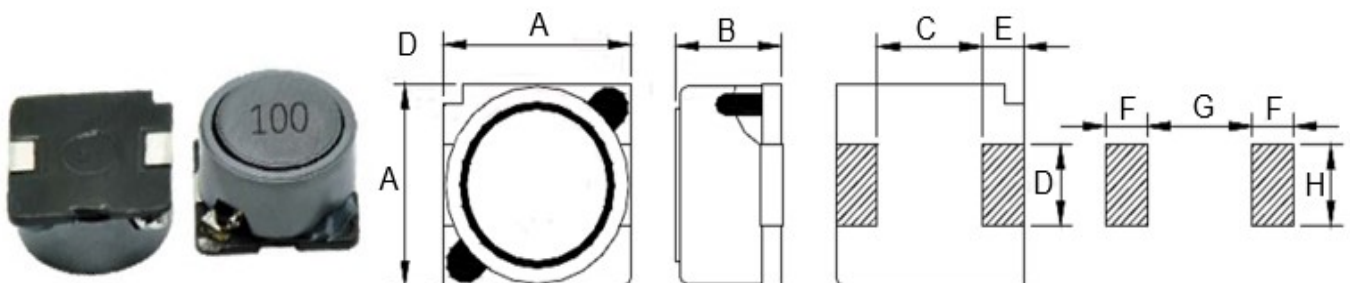
- Portable communication equipment.
- Notebook PC,digital camera,LCD television set.
- Power supply for VTR,OA equipment.
- DC/DC converters.

■ Product Identification



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

■ Shapes and Dimensions (Unit: mm)



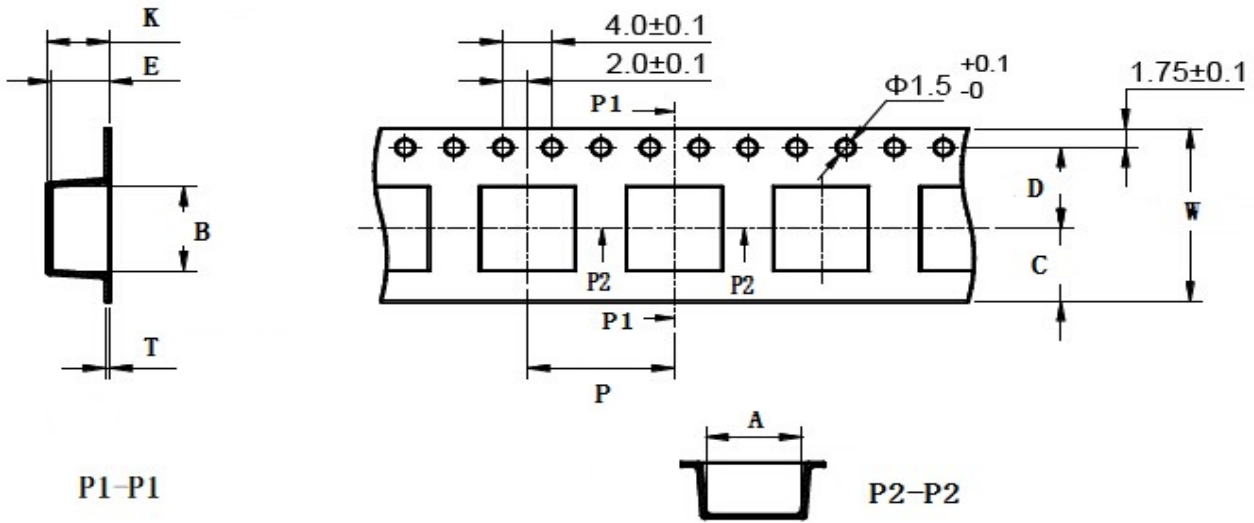
TYPE	A	B	C	D	E	F Ref.	G Ref.	H Ref.
YSLF1255	12.5±0.3	5.5±0.3	8.0±0.2	3.0±0.2	2.0	2.5	8.6	3.2

■ YSLF1255 Series

Part Number	Inductance (uH)	Test Freq.(KHz)	DCR Max.(Ω)	Rated Current Max.
YSLF1255-2R0□	2.0	100	0.017	6.00
YSLF1255-6R0□	6.0	100	0.020	3.60
YSLF1255-100□	10	100	0.026	3.40
YSLF1255-150□	15	100	0.032	2.80
YSLF1255-220□	22	100	0.041	2.30
YSLF1255-330□	33	100	0.050	1.90
YSLF1255-470□	47	100	0.075	1.60
YSLF1255-680□	68	100	0.100	1.30
YSLF1255-101□	100	100	0.141	1.10
YSLF1255-151□	150	100	0.228	0.88
YSLF1255-221□	220	100	0.324	0.72
YSLF1255-331□	330	100	0.492	0.59
YSLF1255-471□	470	100	0.624	0.49
YSLF1255-681□	680	100	0.912	0.43
YSLF1255-102□	1000	100	1.344	0.34
YSLF1255-152□	1500	100	2.076	0.29

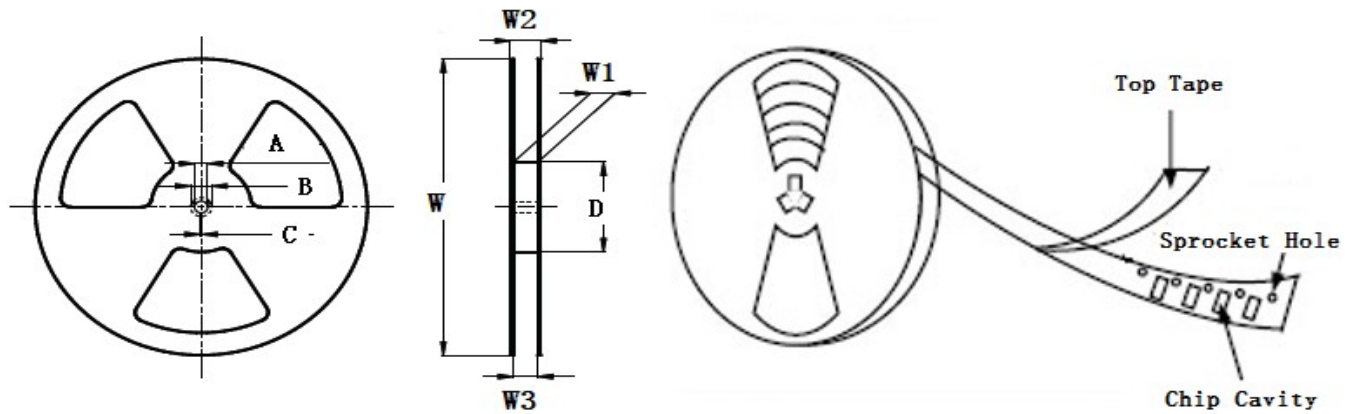
- ※ The saturation current value is the DC current value having inductance decrease down to 30%.(at 20°C)
- ※ The temperature rise current value is the DC current value having temperature increase up to 40°C. (at 20°C)
- ※ The rated current is the DC current value that satisfies both of current value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

■ Taping Dimensions(Unit:mm)



TYPE	W	A	B	C	D	E	P	K Ref	T	MPQ
YSLF1255	24±0.3	12.8±0.1	12.8±0.1	10.75	11.5±0.1	6.00±0.1	16±0.1	6.00	0.35±0.05	500

■ Reel Dimensions(Unit:mm)



TYPE	W	W1	W2	W3	A	B	C	D
YSLF1255	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.