

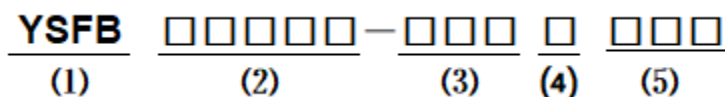
■ Features

- Susing flat wire,and SMD type.
- Low radiation noise by magnetically shielded construction.
- High current,Low resistance.
- Resistance to soldering heat Max three 40 second reflows at +260°C,parts cooled to room temperature between cycles.
- Moisture Sensitivity Level(MSL) 1(unlimited floor life at <30°C/85% relative humidity).
- Operating temperature range:-40°C ~ +125°C(Including self-temperature rise).

■ Applications

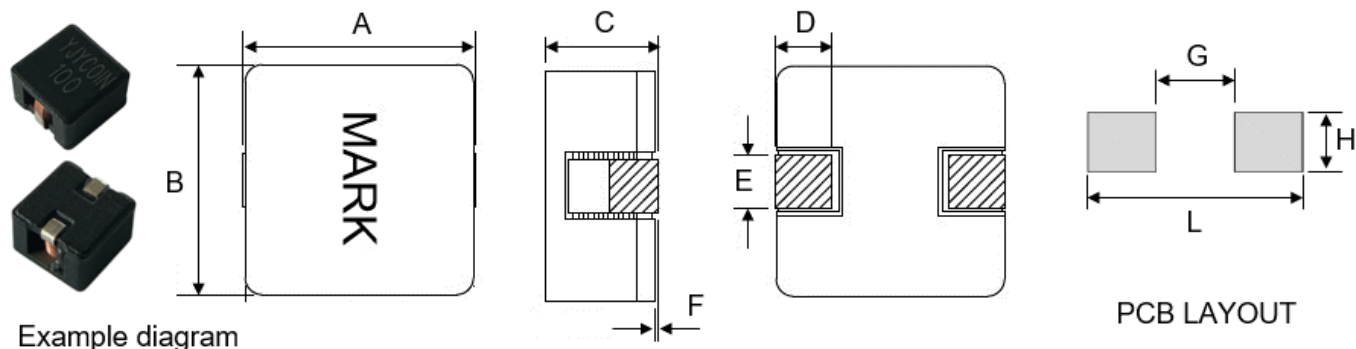
- High efficiency DC/DC converters.
- Single and polyphase buck converters.
- Filter for audio applications.
- Optimized for high current boost applications.

■ Product Identification



- (1) : Type
- (2) : Dimensions
- (3) : Inductance value
- (4) : Inductance Tolerance: M=±20%,K=±10%
- (5) : Internal code

■ Shapes and Dimensions (Unit: mm)



TYPE	A	B	C	D	E	F	G Ref	H Ref	L Ref
YSFB0750B	7.0±0.3	6.9±0.3	4.8±0.3	1.8±0.3	1.2±0.3	0~0.3	2.4	2.2	7.8

■ Electrical requirements

Part Number	Inductance (μ H) (@100KHz)	DCR (m Ω)		SRF Typ. (MHz)	I Sat Typ. (A)			I rms Typ.(A)	
		Typ.	Max.		10% drop	20% drop	30% drop	20°C rise	40°C rise
YSFB0750B-R24M	0.24 $\pm$ 20%	1.00	1.10	320	20.0	26.0	34.0	25.0	33.0
YSFB0750B-R47M	0.47 $\pm$ 20%	1.35	1.48	235	11.2	18.0	24.0	23.0	28.8
YSFB0750B-R76M	0.76 $\pm$ 20%	2.25	4.07	200	9.0	13.0	17.0	14.0	19.2
YSFB0750B-1R1M	1.1 $\pm$ 20%	3.15	3.46	135	8.0	11.8	15.4	11.0	14.4
YSFB0750B-1R5M	1.5 $\pm$ 20%	4.30	4.70	110	6.0	8.0	11.0	8.5	11.8
YSFB0750B-2R0M	2.0 $\pm$ 20%	5.85	11.60	68	4.8	7.2	9.0	7.5	9.6
YSFB0750B-3R3M	3.3 $\pm$ 20%	9.00	9.90	68	4.1	6.0	8.2	6.5	8.7
YSFB0750B-4R9M	4.9 $\pm$ 20%	14.50	16.00	56	3.2	4.9	6.5	5.2	6.9
YSFB0750B-6R5M	6.5 $\pm$ 20%	21.50	23.60	50	3.1	4.7	6.2	4.2	5.9
YSFB0750B-7R6M	7.6 $\pm$ 20%	28.20	31.00	48	2.7	4.0	5.4	2.7	3.8
YSFB0750B-8R5M	8.5 $\pm$ 20%	30.50	33.50	44	2.5	3.8	5.0	2.5	3.6
YSFB0750B-100M	10 $\pm$ 20%	33.00	36.00	40	2.4	3.8	4.5	2.2	3.3

※ All test data is based on 25°C ambient.

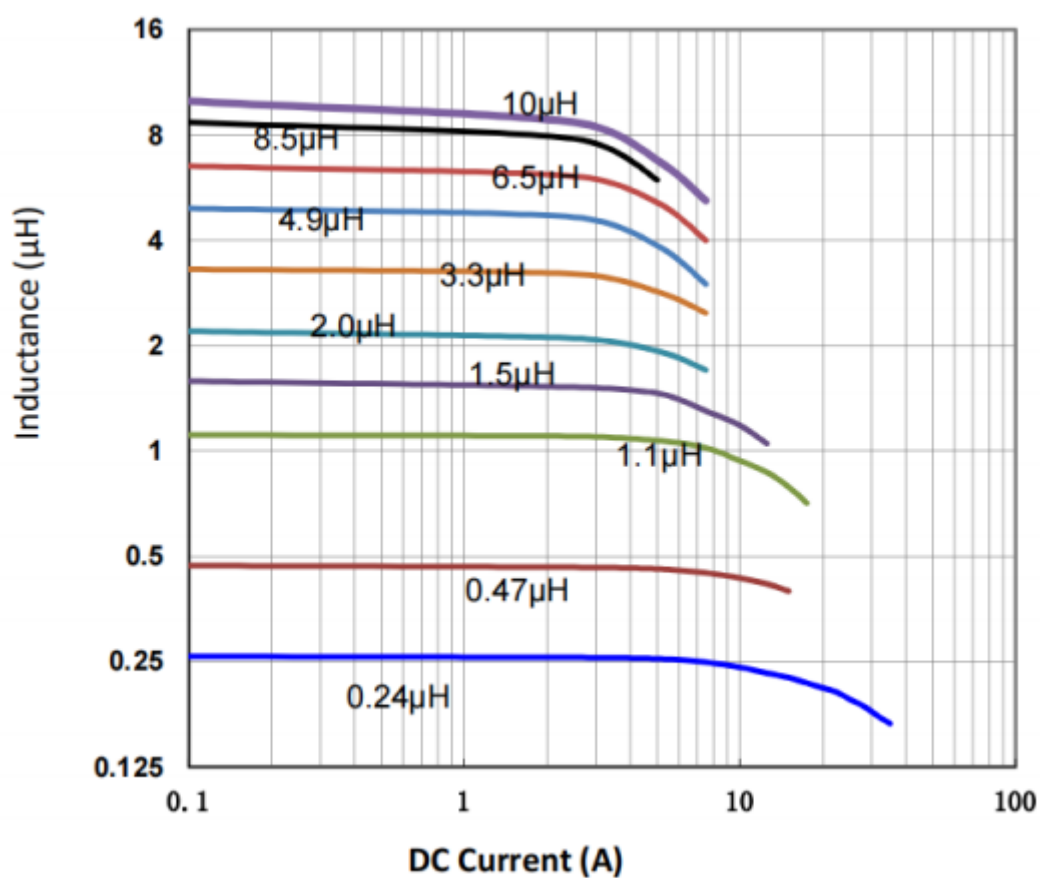
※ DC current at 25°C that causes the specified inductance drop from its value without current.

※ Current that causes the specified temperature rise from 25°C ambient. This information is for reference only and does not represent absolute maximum ratings.

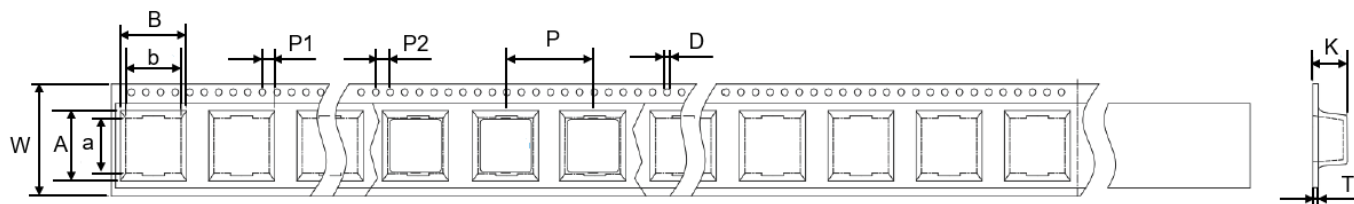
■ Electrical Schematics



■ Electrical Characteristic Curve

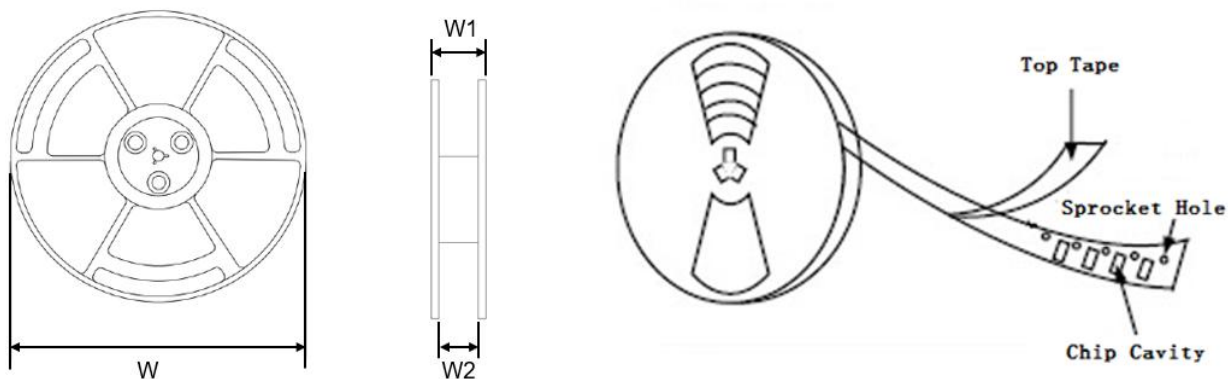


Taping Dimensions(Unit:mm)



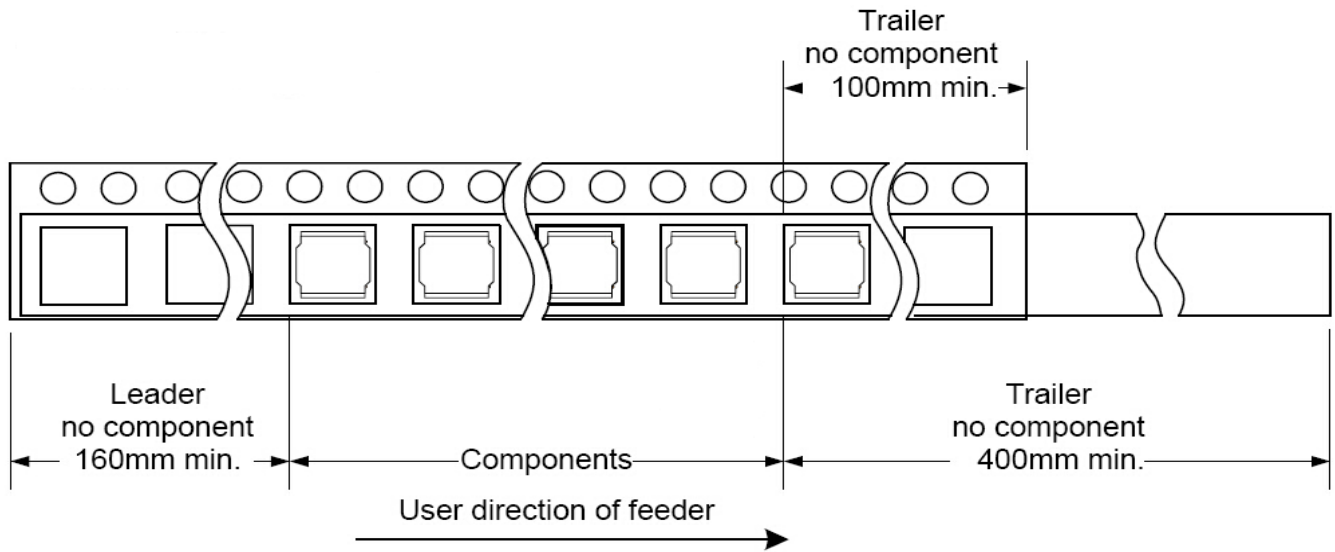
W	A	a	B	b	P	P1	P2	D	K	T
16.0	8.0	7.9	8.5	7.0	13.0	2.0	4.0	1.5	5.6	0.35

Reel Dimensions(Unit:mm)

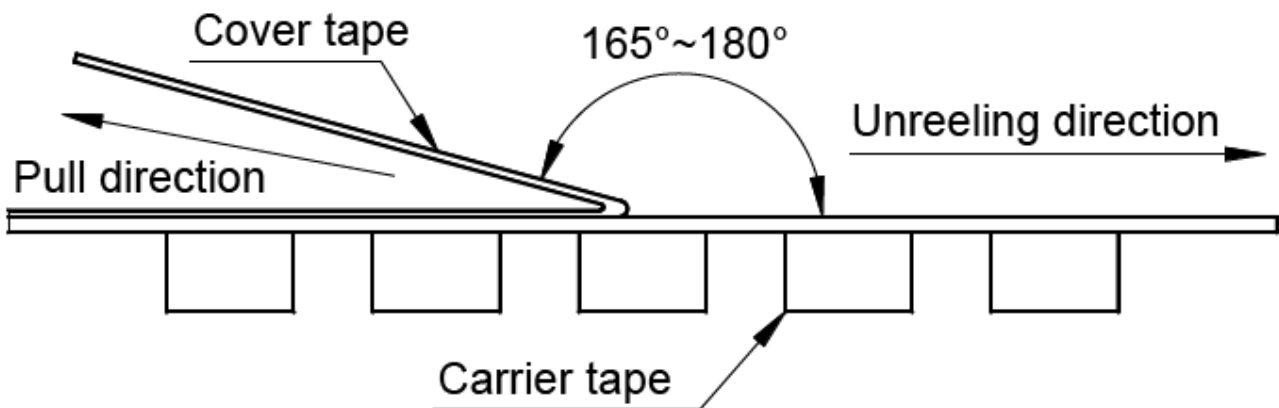


TYPE	W	W1 Max.	W2	MPQ
YSFB0750B	330±1.5	22.4	16.4±0.2	1000 PCS/Reel

■ Direction of rolling



■ Cover tape peel off condition



Cover tape peel force shall be 0.1N to 1.3N.

Reference peel speed 300 ± 10 mm/min.