

■ 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

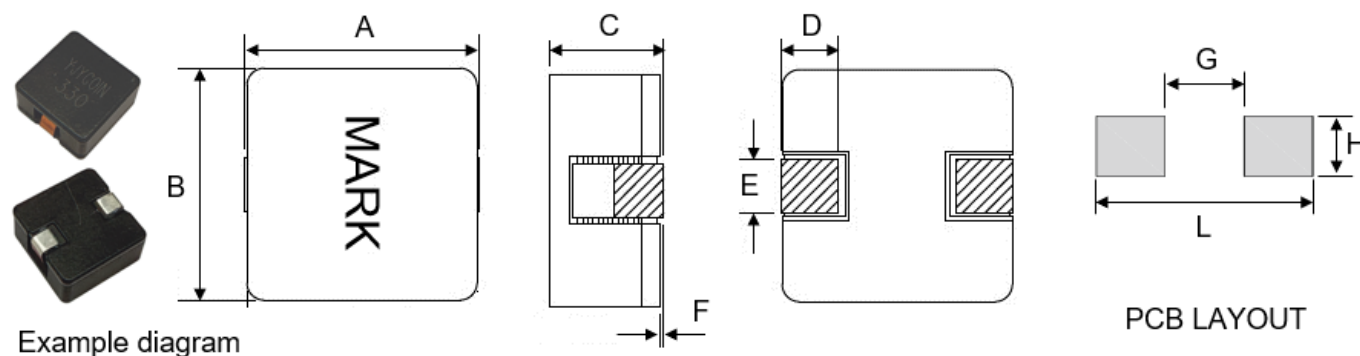
- High efficiency DC/DC converters.
- Single and polyphase buck converters.
- Filter for audio applications.
- Optimized for high current boost applications.

■ Product Identification

YSFB □□□□□ - □□□ □ □□□
 (1) (2) (3) (4) (5)

- (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
YSFB2212B	22.5±1.0	22.0±1.0	12.0±0.5	5.5±1.0	3.5±1.0	0~0.3	9.5	5.5	23.5

■ 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
YSFB2212B-3R3M	3.3 $\pm$ 20%	1.70	1.90	230	18.5	20.8	35.0	25.0	33.2
YSFB2212B-6R8M	6.8 $\pm$ 20%	2.10	2.35	100	8.0	13.0	31.0	24.0	30.5
YSFB2212B-8R2M	8.2 $\pm$ 20%	2.70	3.10	72	7.5	25.8	30.0	21.0	26.0
YSFB2212B-100M	10 $\pm$ 20%	3.40	3.80	59	5.0	7.0	27.0	17.0	23.0
YSFB2212B-120M	12 $\pm$ 20%	4.30	4.80	45	7.0	12.0	28.5	14.0	20.0
YSFB2212B-220M	22 $\pm$ 20%	7.00	7.70	35	8.5	18.9	19.0	12.0	15.6
YSFB2212B-330M	33 $\pm$ 20%	13.20	14.60	26	6.2	15.6	16.0	8.5	11.0
YSFB2212B-470M	47 $\pm$ 20%	19.20	21.20	30	10.2	11.3	13.2	8.4	9.0
YSFB2212B-680M	68 $\pm$ 20%	27.30	30.00	22	8.5	9.2	9.5	6.2	7.5
YSFB2212B-820M	82 $\pm$ 20%	30.40	33.50	28	8.0	8.5	8.7	6.1	7.0

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

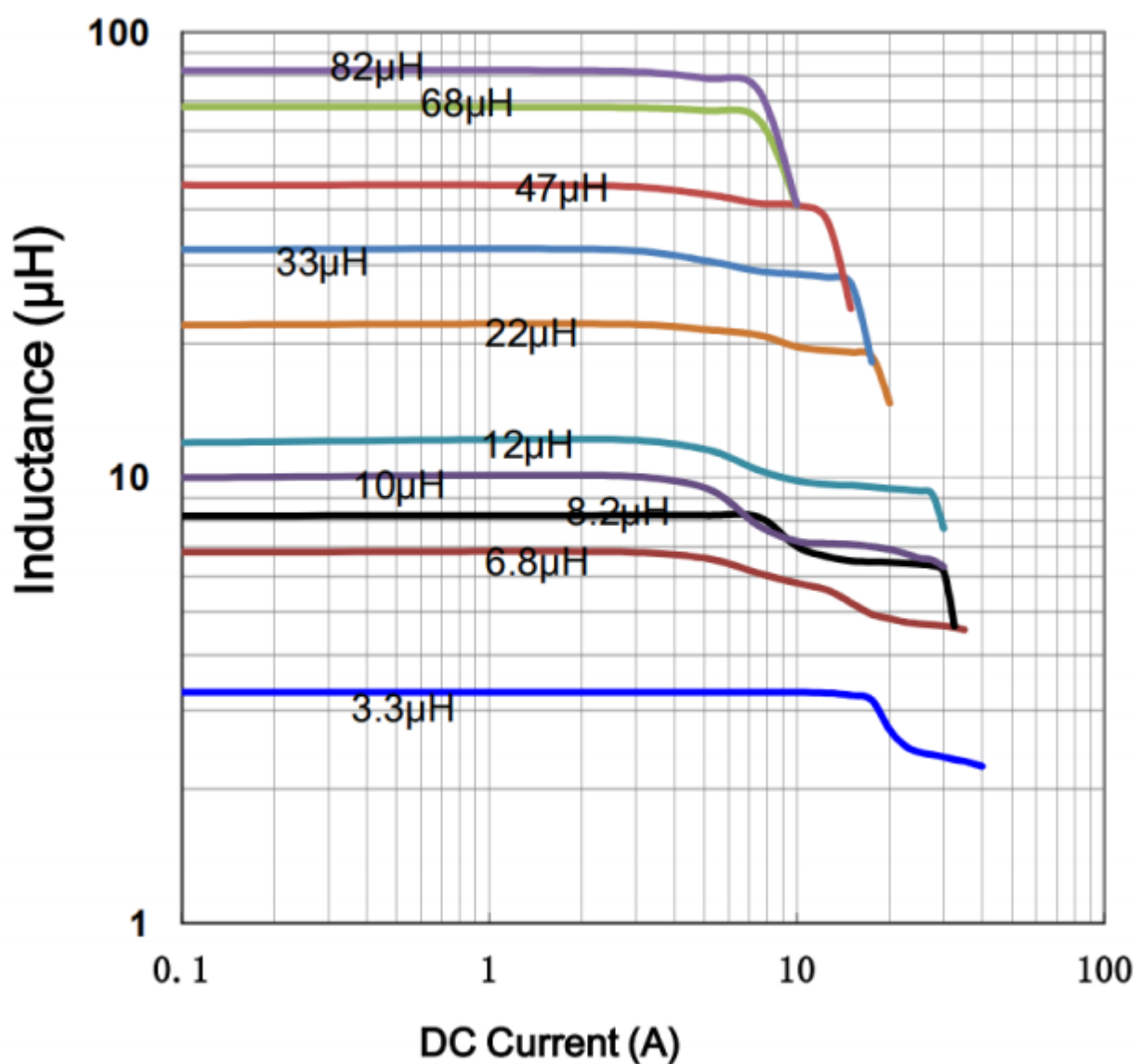
※ DC current at 25°C that causes the specified inductance drop from its value without current.

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

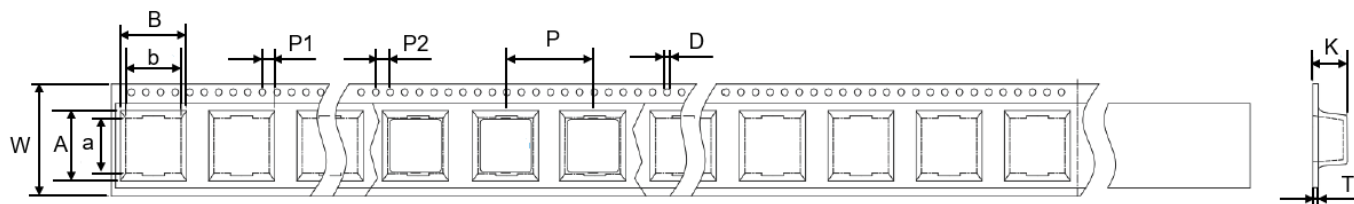
■ Electrical Schematics



■ Electrical Characteristic Curve

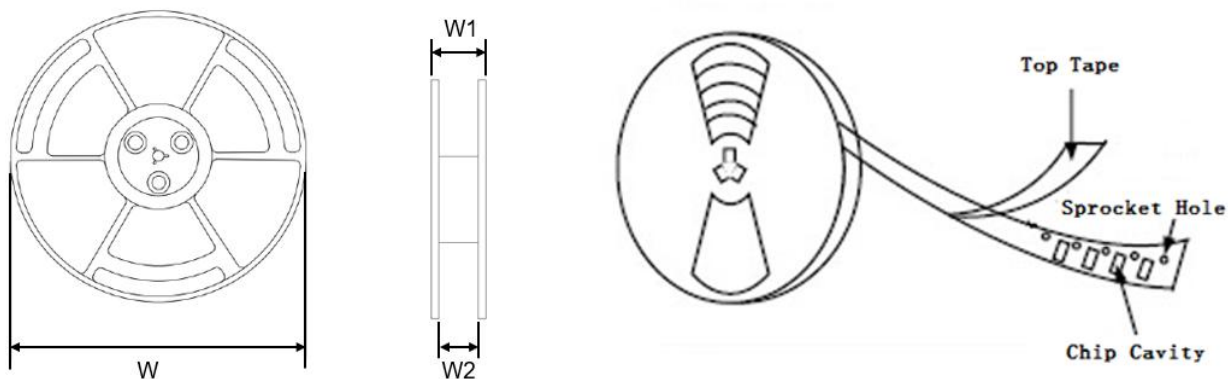


Taping Dimensions(Unit:mm)



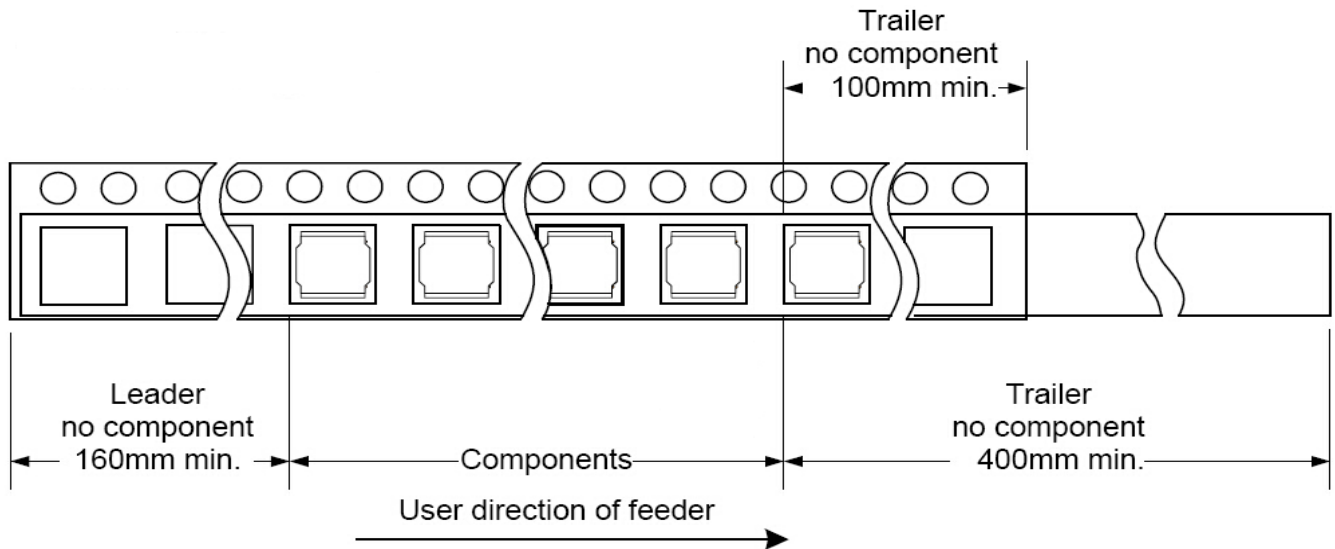
W	A	a	B	b	P	P1	P2	D	K	T
44.0	24.5	23.5 Min.	24.5	23.5 Min.	13.0	2.0	4.0	1.5	12.8±0.5	0.5

Reel Dimensions(Unit:mm)

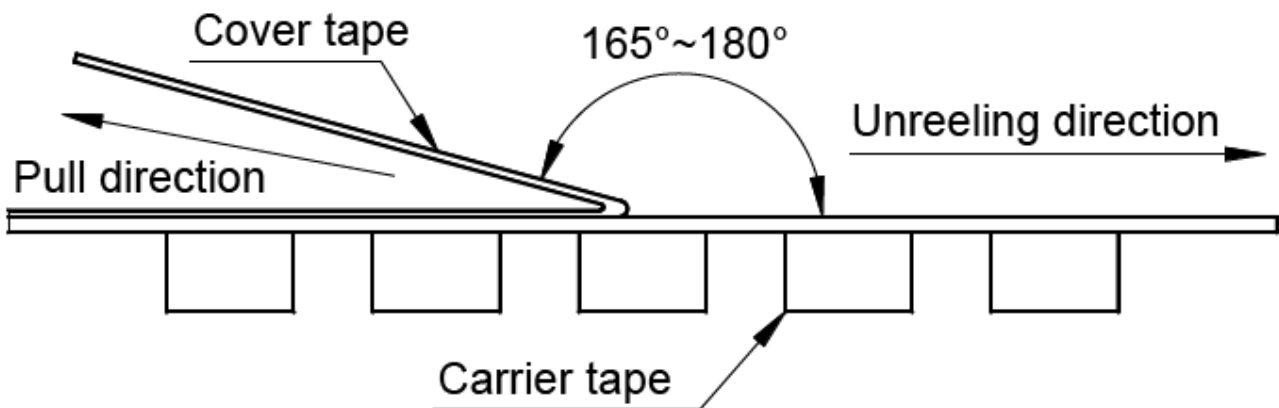


TYPE	W	W1 Max.	W2	MPQ
YSFB2212B	330±1.5	50.4	44.4±0.2	120 PCS/Reel

■ 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.