



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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Product Specifications Approval Sheet

Product Description: SAW Filter 881.5 MHz BW 25 MHz SMD 1.4 x 1.1 mm

TST Part No.: TA2635A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Sam Lin *Sam Lin*

Approved by: _____ Andy Yu *Andy Yu*

Date: _____ 2020/03/16

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.



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SAW Filter 881.5 MHz BW 25 MHz SMD 1.4 x 1.1mm
MODEL NO.:TA2635A

REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 18 dBm
2. DC Voltage : 0V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitive Level: Level 3 (MSL3)
6. ESD 50V(MM), 100V(HBM).

RoHS Compliant
Lead-free soldering

Electrostatic Sensitive Device (ESD)

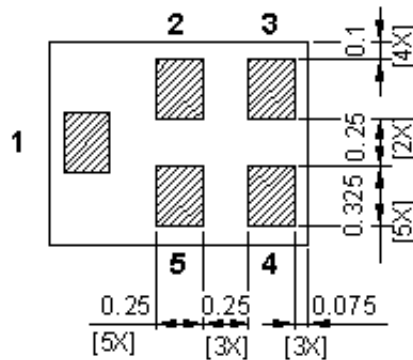
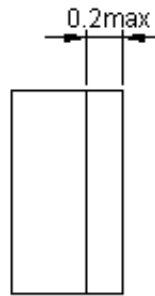
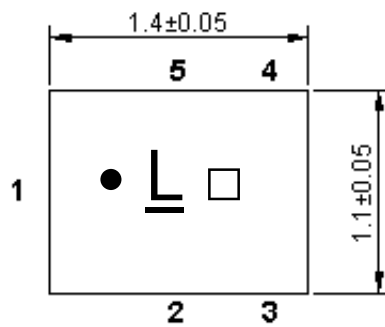
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance: $Z_s = 50 \Omega$

Terminating load impedance: $Z_L = 50 \Omega$

Item	Unit	Min.	Typ.	Max.
Center Frequency	MHz	-	881.5	-
Insertion Loss (869 ~ 894 MHz)	dB	-	2.3	3.0
Amplitude Ripple (869 ~ 894 MHz)	dB	-	0.7	1.5
VSWR (869 ~ 894 MHz)	-	-	2.1	2.3
Attenuation (reference level from 0 dB)				
10 ~ 824 MHz	dB	40	53	-
824 ~ 849 MHz	dB	40	50	-
849 ~ 859 MHz	dB	7	26	-
914 ~ 970 MHz	dB	16	28	-
970 ~ 1049 MHz	dB	40	48	-
1049 ~ 2000 MHz	dB	38	41	-
2000 ~ 3000 MHz	dB	30	36	-
3000 ~ 4500 MHz	dB	25	33	-

C.OUTLINE DRAWING:



All tolerances are ± 0.05 mm unless otherwise specified

Coplanarity : 0.1 mm max.

1 to 5 : Pin No.

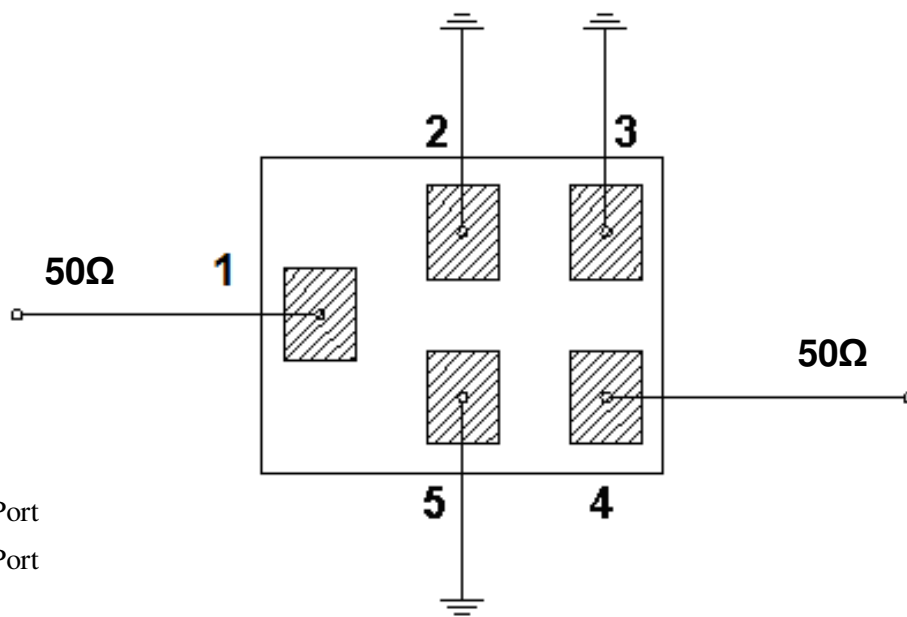
Unit : mm

Pin No.	Symbol	Function
1	IN	Input
2	GND	Ground
3	GND	Ground
4	OUT	Output
5	GND	Ground

□ : Year/Month Code (Follow the table)

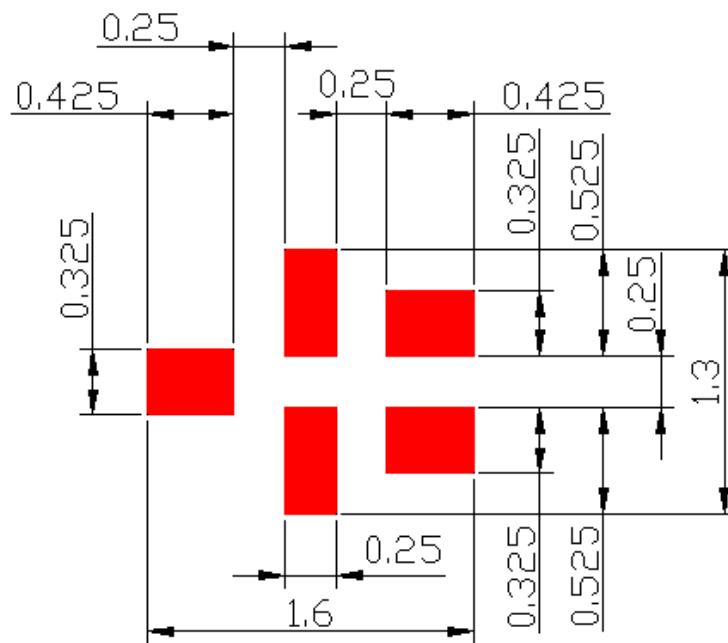
YEAR/Month	1	2	3	4	5	6	7	8	9	10	11	12
2013	A	B	C	D	E	F	G	H	J	K	L	M
2014	N	P	Q	R	S	T	U	V	W	X	Y	Z
2015	a	b	c	d	e	f	g	h	j	k	l	m
2016	n	p	q	r	s	t	u	v	w	x	y	z
2017	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>M</u>
2018	<u>N</u>	<u>P</u>	<u>Q</u>	<u>R</u>	<u>S</u>	<u>T</u>	<u>U</u>	<u>V</u>	<u>W</u>	<u>X</u>	<u>Y</u>	<u>Z</u>
2019	<u>a</u>	<u>b</u>	<u>c</u>	<u>d</u>	<u>e</u>	<u>f</u>	<u>g</u>	<u>h</u>	<u>j</u>	<u>k</u>	<u>l</u>	<u>m</u>
2020	<u>n</u>	<u>p</u>	<u>q</u>	<u>r</u>	<u>s</u>	<u>t</u>	<u>u</u>	<u>v</u>	<u>w</u>	<u>x</u>	<u>y</u>	<u>z</u>

D. MEASUREMENT CIRCUIT:



(1): Unbalance Port
 (4): Unbalance Port
 Others: Ground

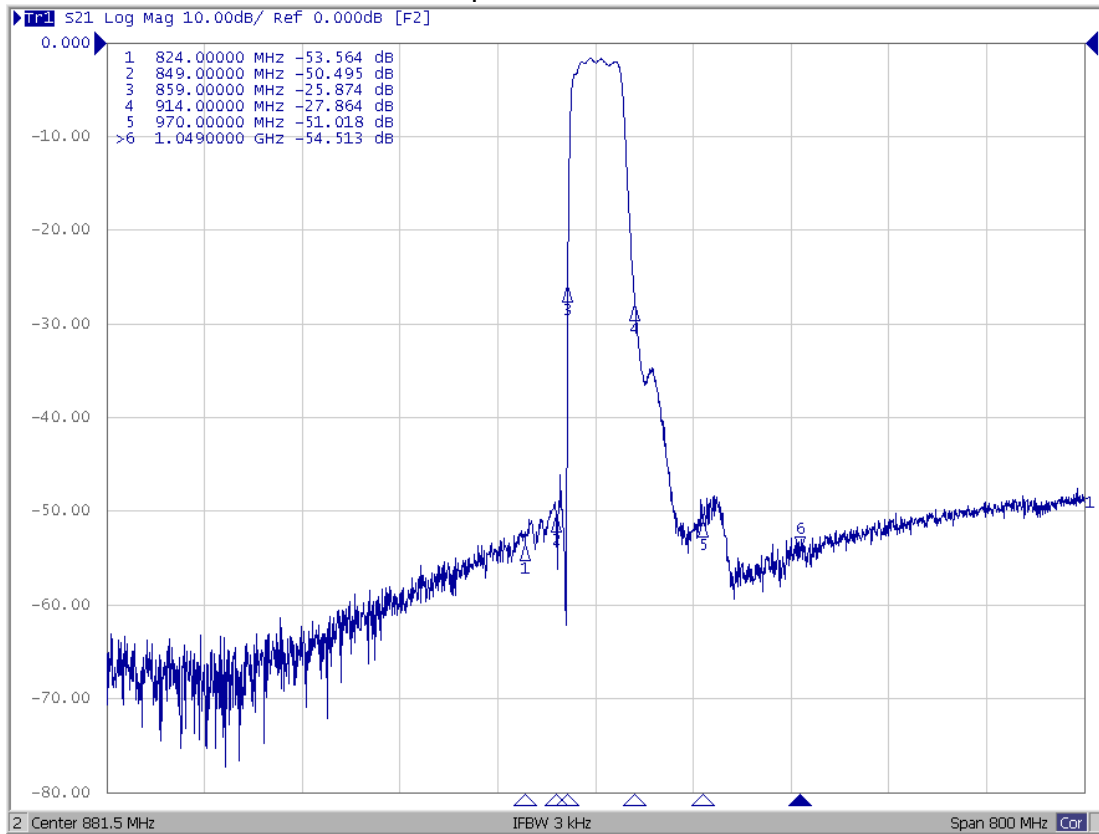
E. PCB Footprint:



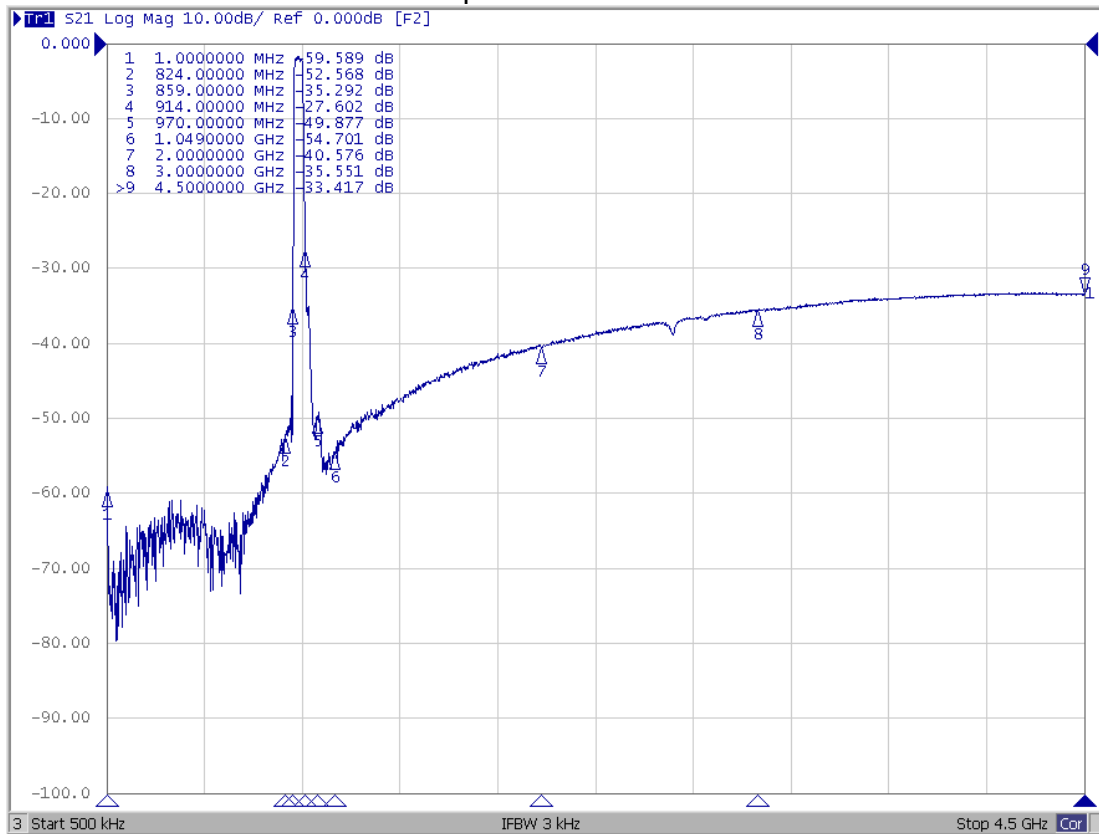
: Land Pattern
 Unit : mm

F. Frequency Characteristics:

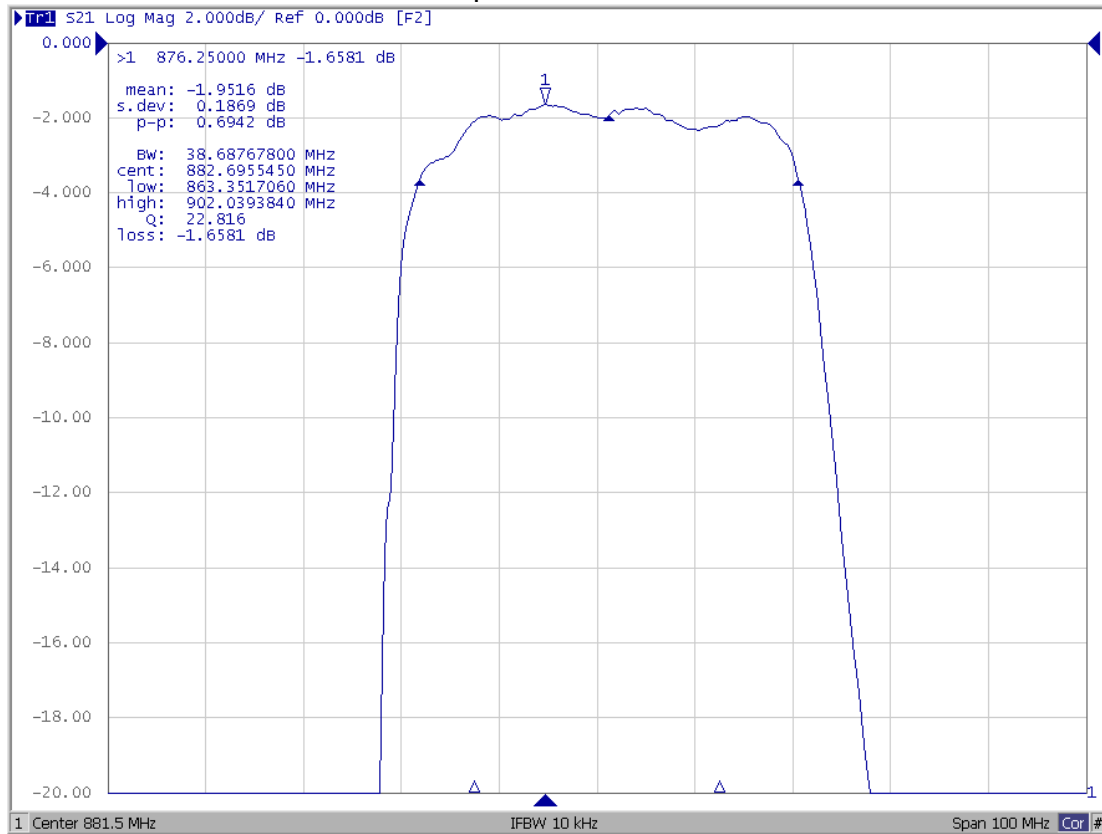
Span 800 MHz



Span 4500 MHz

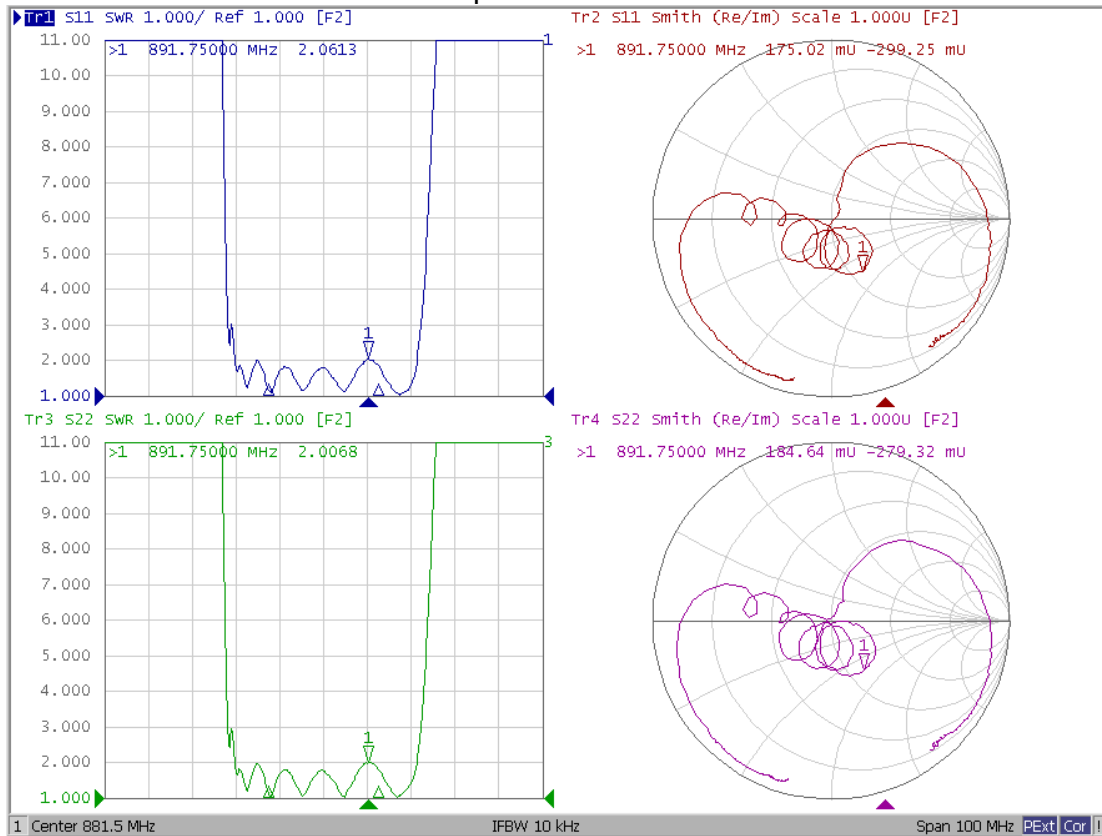


Span 100 MHz



Reflection Functions:

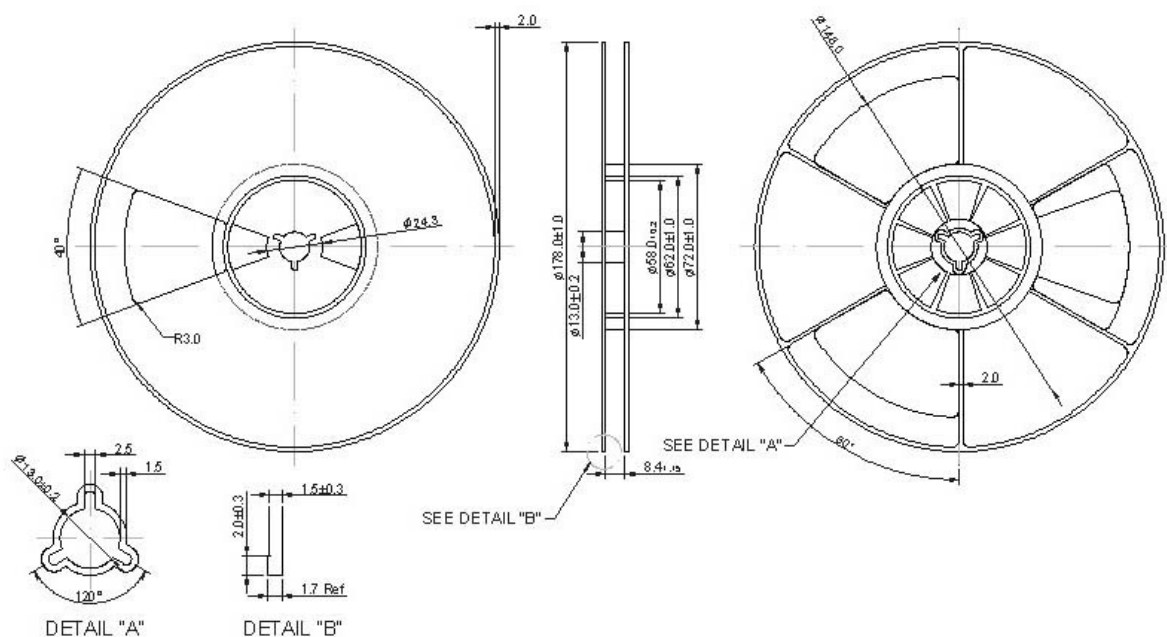
Span 100 MHz



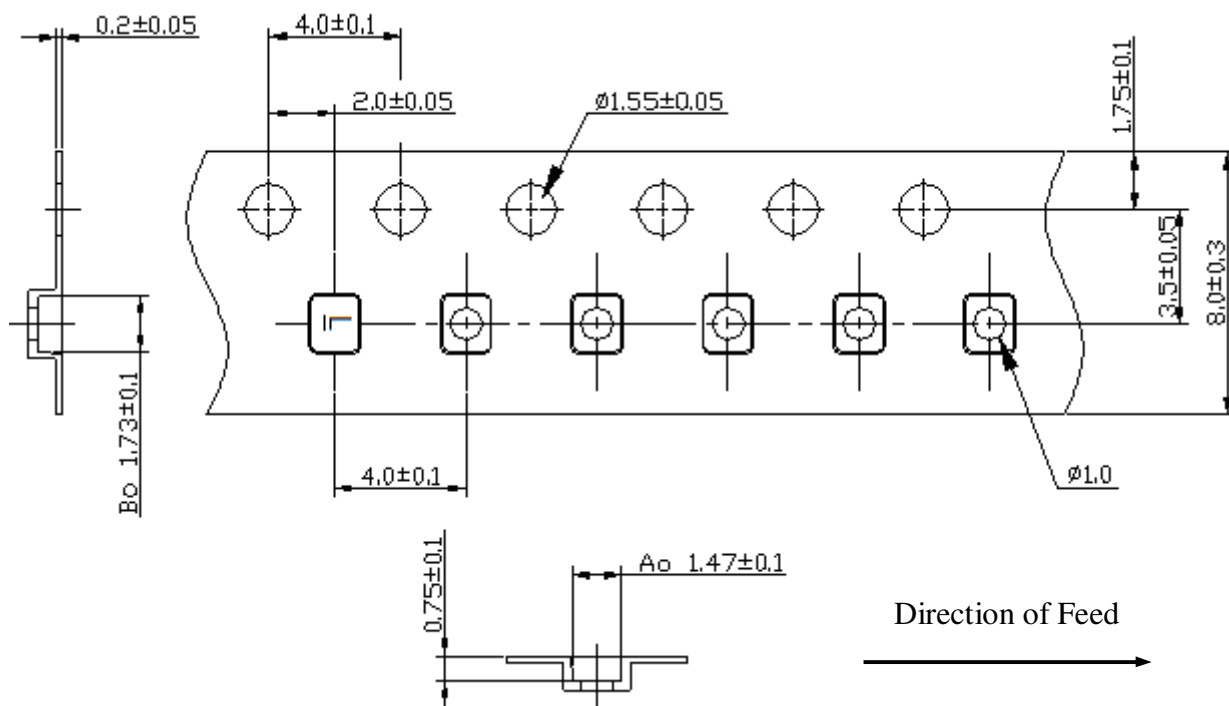
G. PACKING:

1. REEL DIMENSION

(Please refer to FR-75D10 for packing quantity)



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 260°C +0/-5°C peak (20~40sec).
4. Time: 2 times.

