



TAI-SAW TECHNOLOGY CO., LTD.

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Product Specifications Approval Sheet

Product Name: SAW Filter 881.5MHz BW25MHz SMD1.4X1.1mm

TST Parts No.: TA1395A

Customer Parts No.: _____

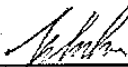
Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Andy Yu 

Approval by: _____ Bob Chau 

Date: _____ 03/25/2013

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 BW25MHz

MODEL NO.: TA1395A

Rev .2.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -30°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

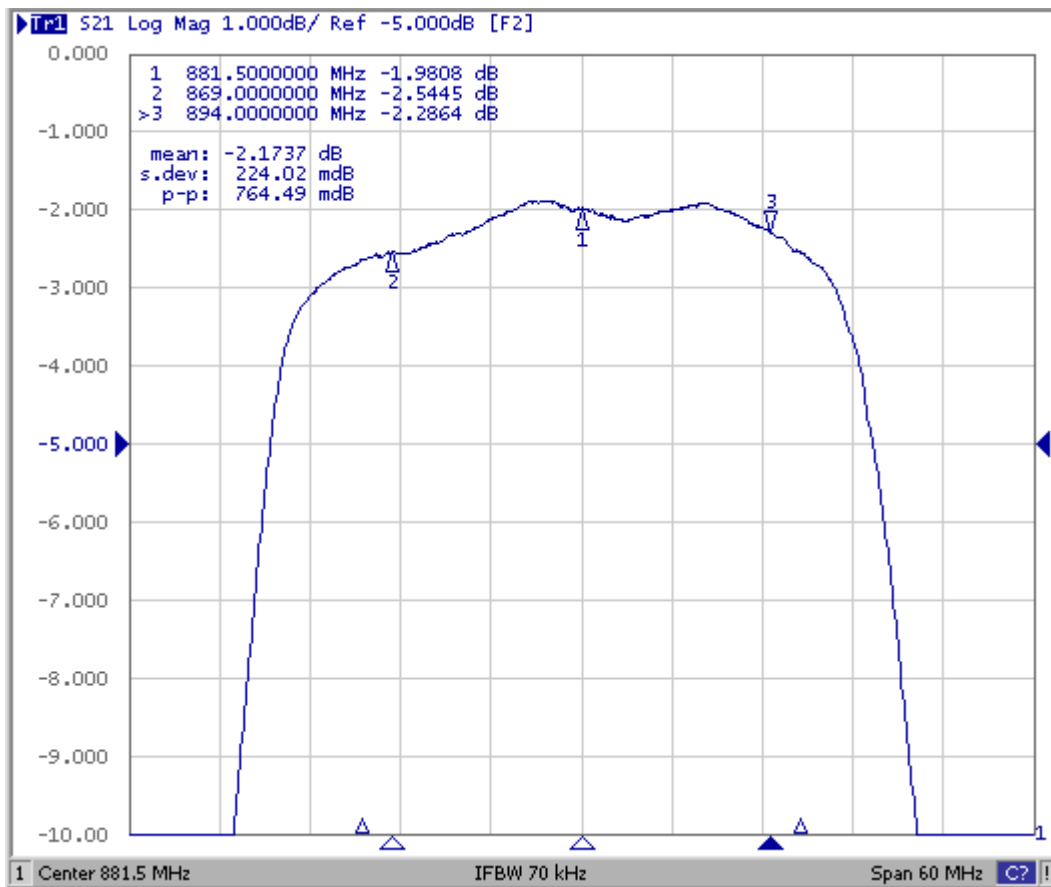
Terminating source impedance : $Z_s = 50 \Omega$

Terminating load impedance : $Z_L = 50 \Omega$

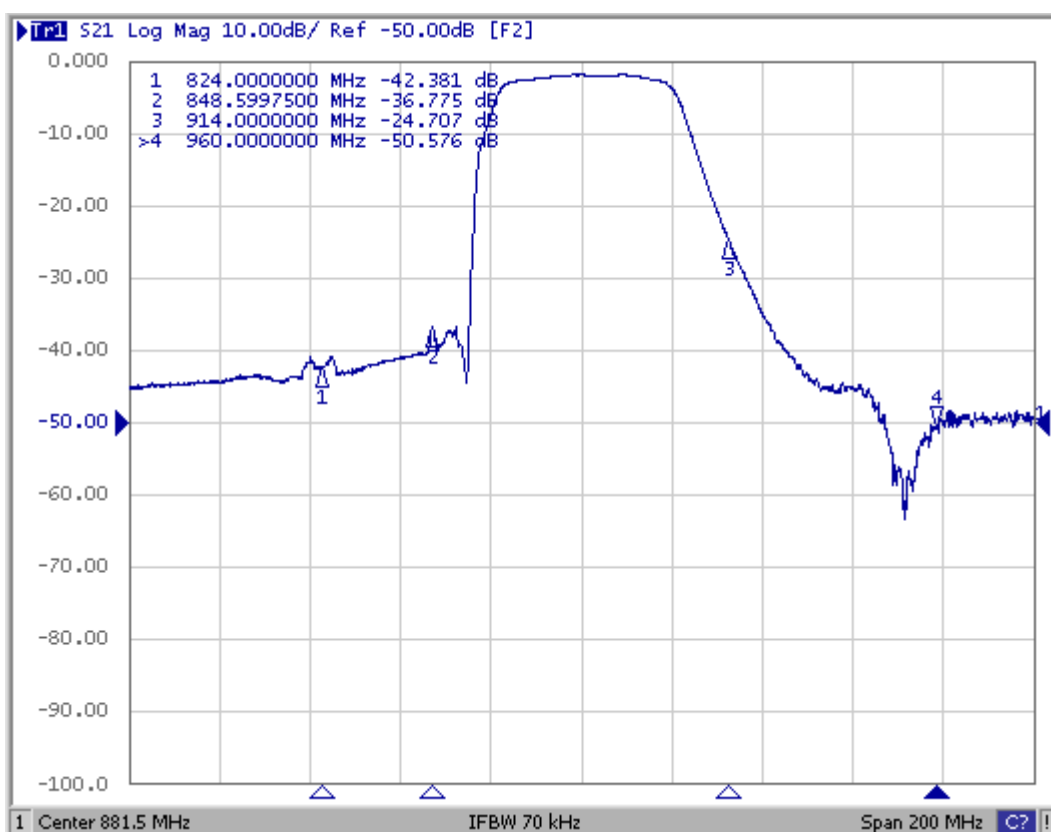
Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	881.5	-	-
Insertion Loss (869~894 MHz) IL	dB	-	2.5	3.0	-
VSWR (869~894 MHz)	dB	-	1.6	2.0	-
Amplitude ripple (869~894 MHz)	dB	-	0.7	2.2	-
Attenuation					
D.C ~ 800 MHz	dB	40	45	-	-
800 ~ 826 MHz	dB	38	42	-	-
826 ~ 846 MHz	dB	35	40	-	-
845 ~ 850 MHz	dB	20	39	-	-
850 ~ 856 MHz	dB	15	34	-	-
910 ~ 914 MHz	dB	15	18	-	-
914 ~ 950 MHz	dB	20	24	-	-
950 ~ 973 MHz	dB	42	49	-	-
973 ~2340 MHz	dB	30	35	-	-
2340 ~ 6000 MHz	dB	25	30	-	-
Package size	mm	SMD 1.4x1.1			

C.FREQUENCY CHARACTERISTICS:

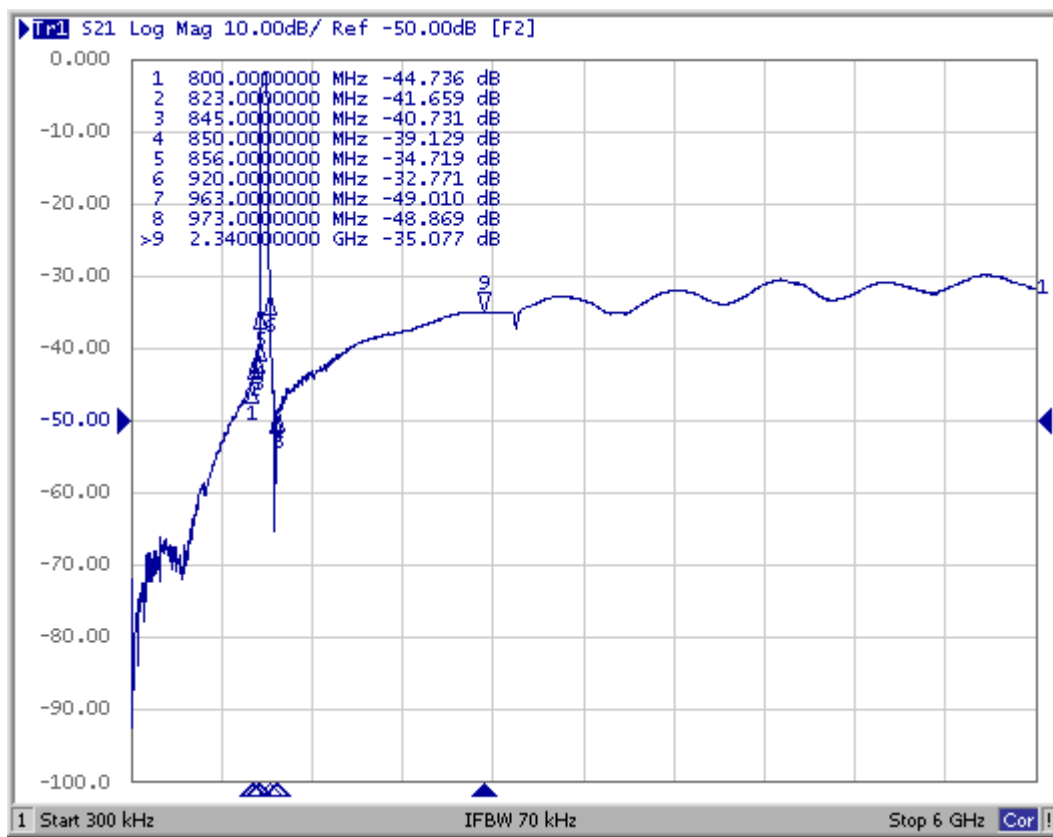
S21 Pass-band response: (span 60MHz)



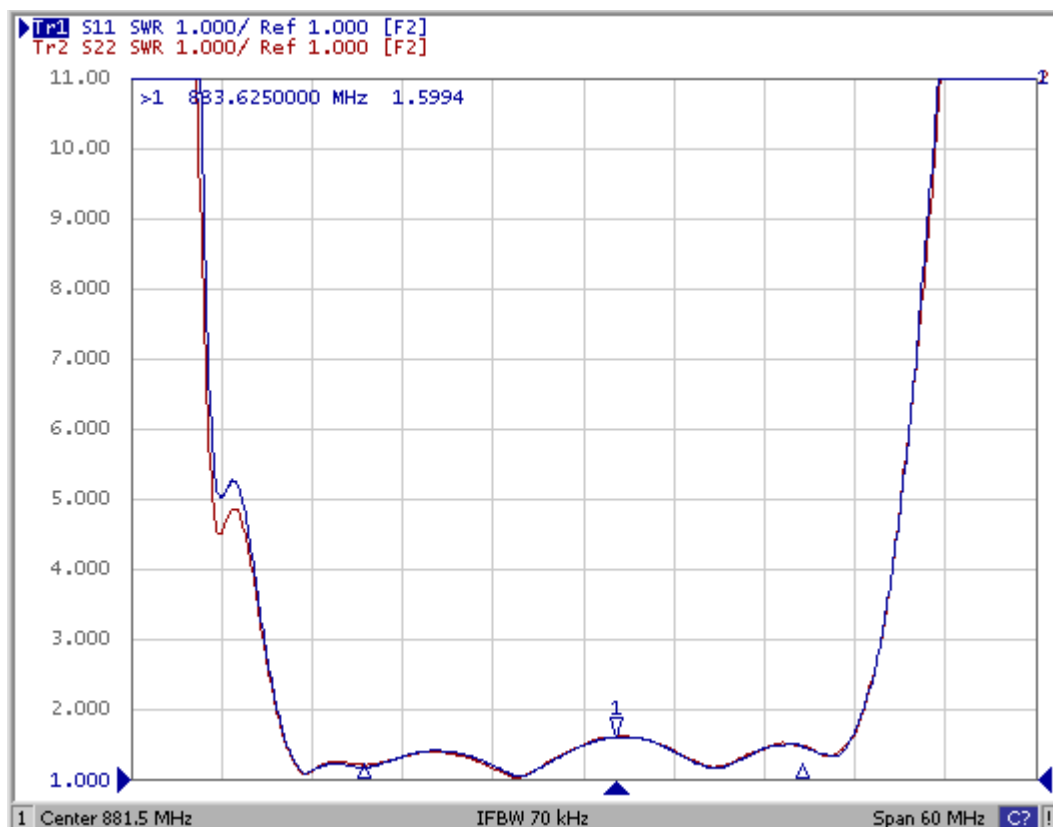
S21 response: (span 200MHz)



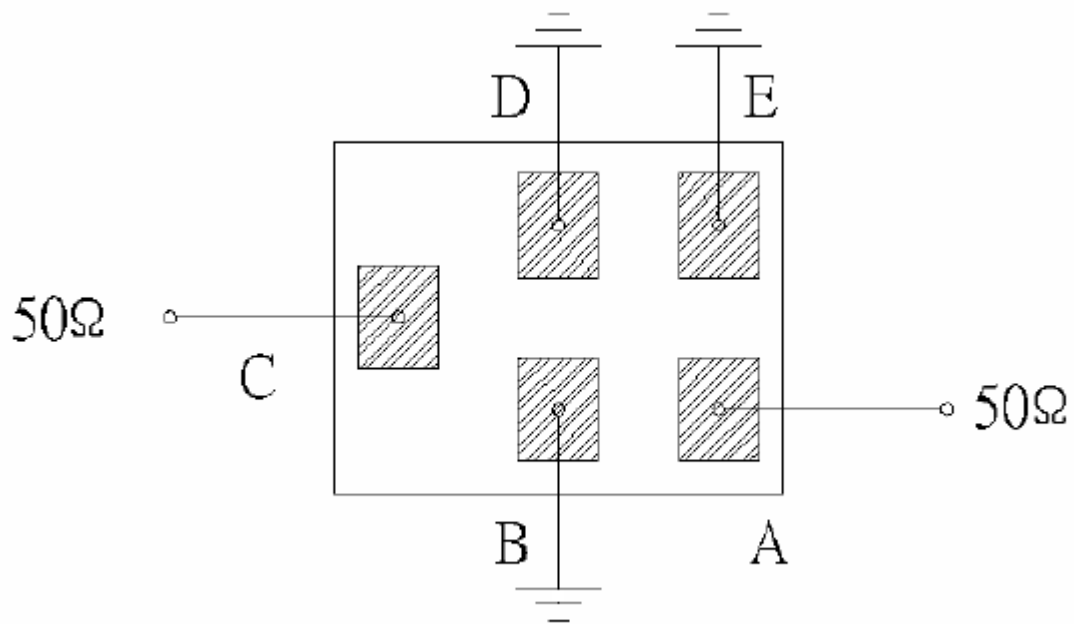
S21 response: (span 6GHz)



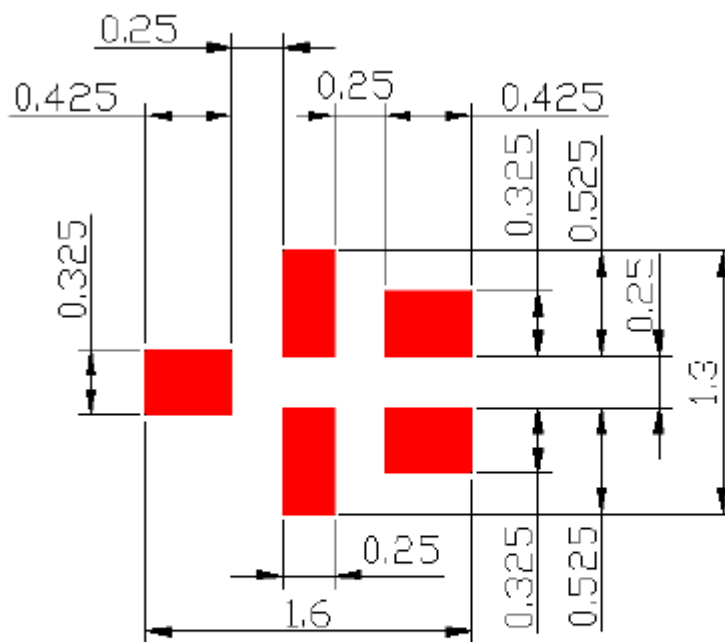
S11&S22 VSWR



D. MEASUREMENT CIRCUIT:

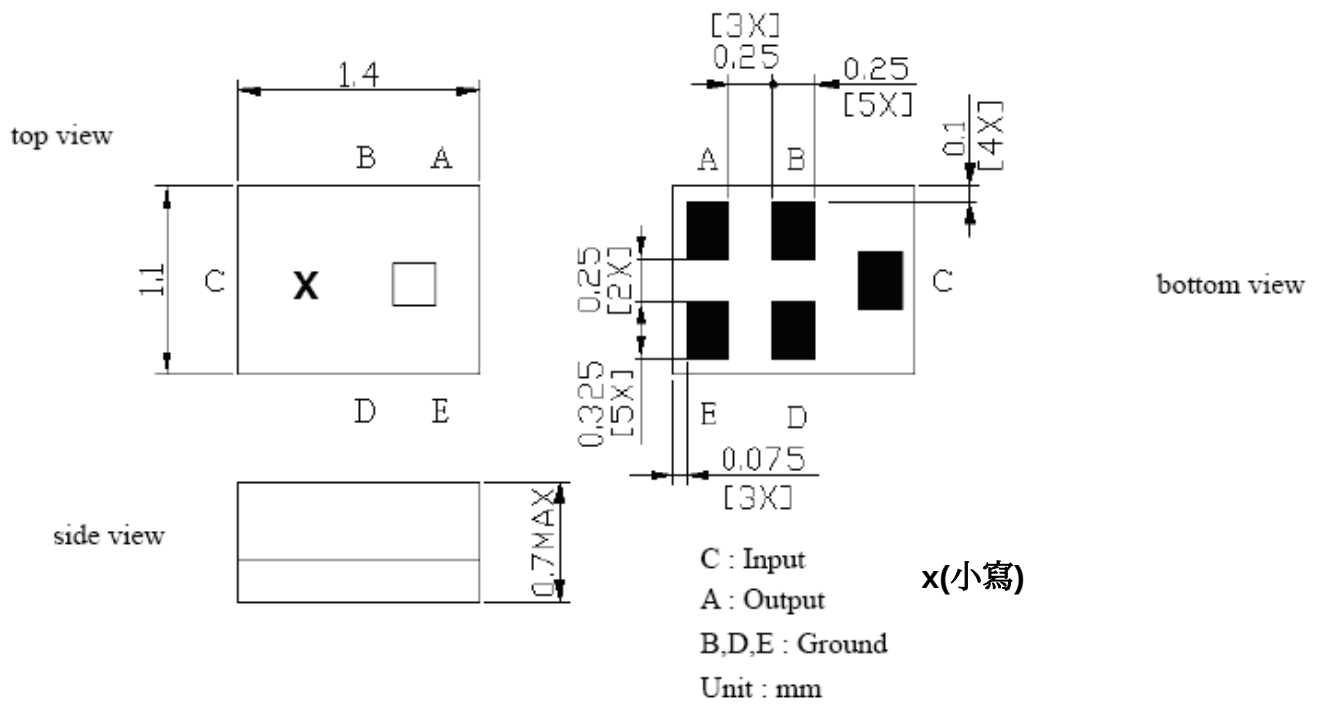


E. PCB FOOTPRINT:



: Land Pattern
Unit : mm

F.OUTLINE DRAWING:



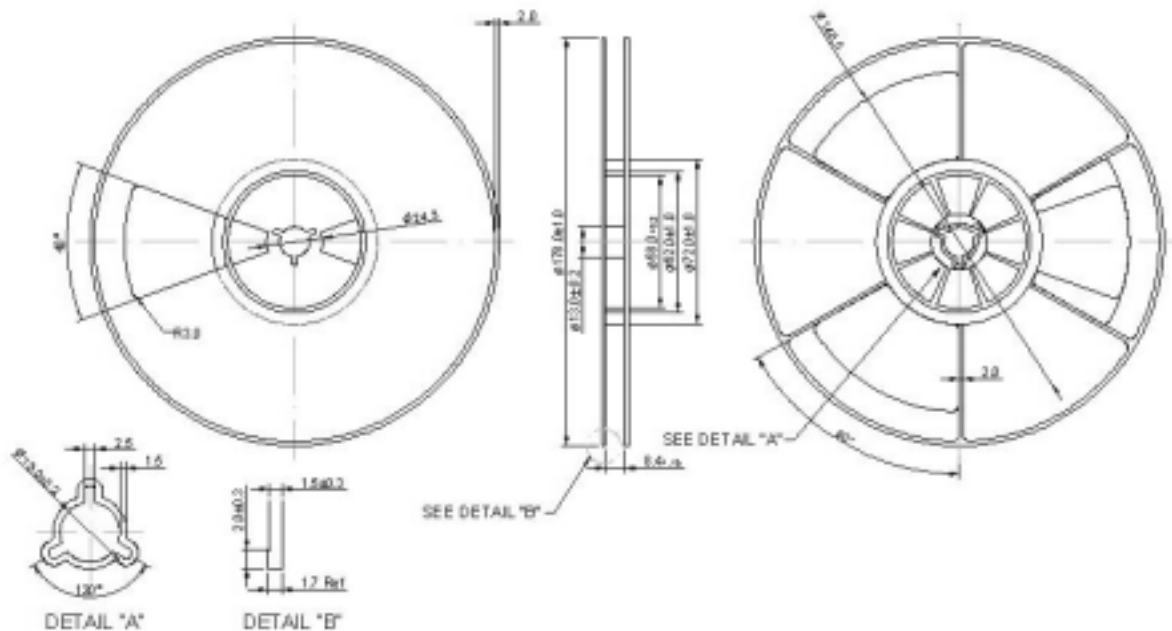
□ : Year/Month Code (Follow the table)

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>

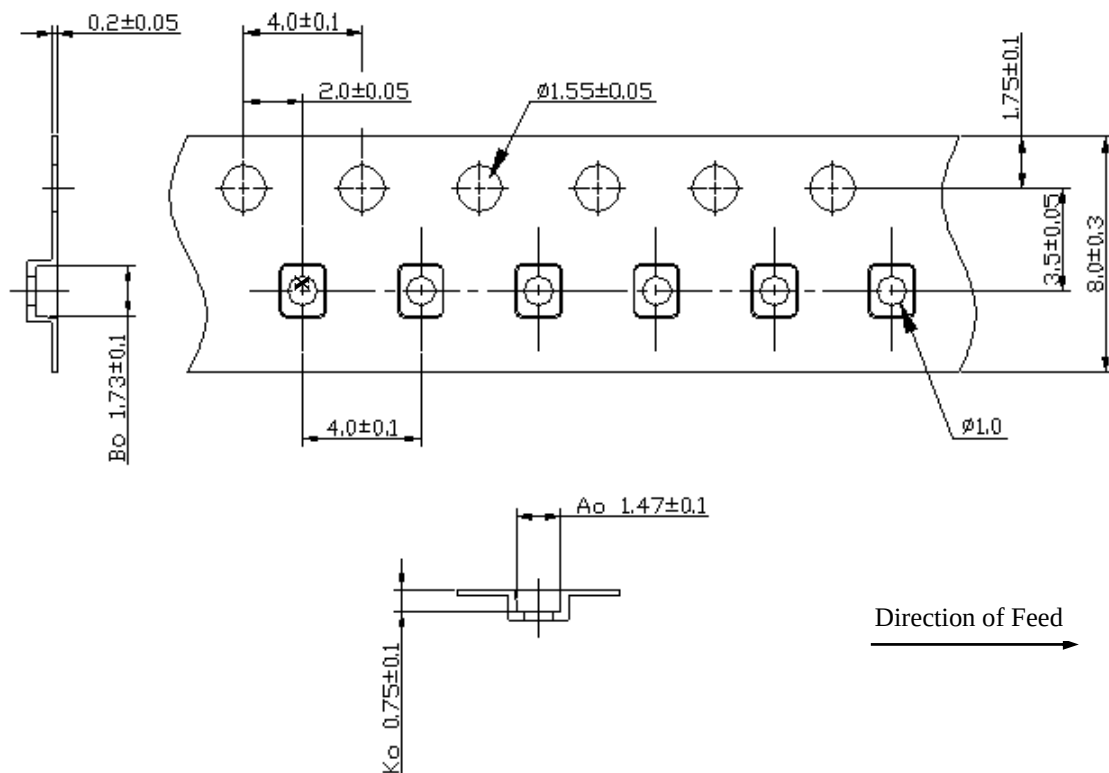
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7"=3000)



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 245~260°C peak (min. 10sec).
4. Time : 2 times.

