



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 2332.5 MHz 25MHz BW SMD 1.4X1.1 mm

TST Part No.: TA1492A

Customer Part No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Bob Chau 

Approved 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 2332.5MHz

MODEL NO.:TA1492A

REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -50°C to +95°C

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

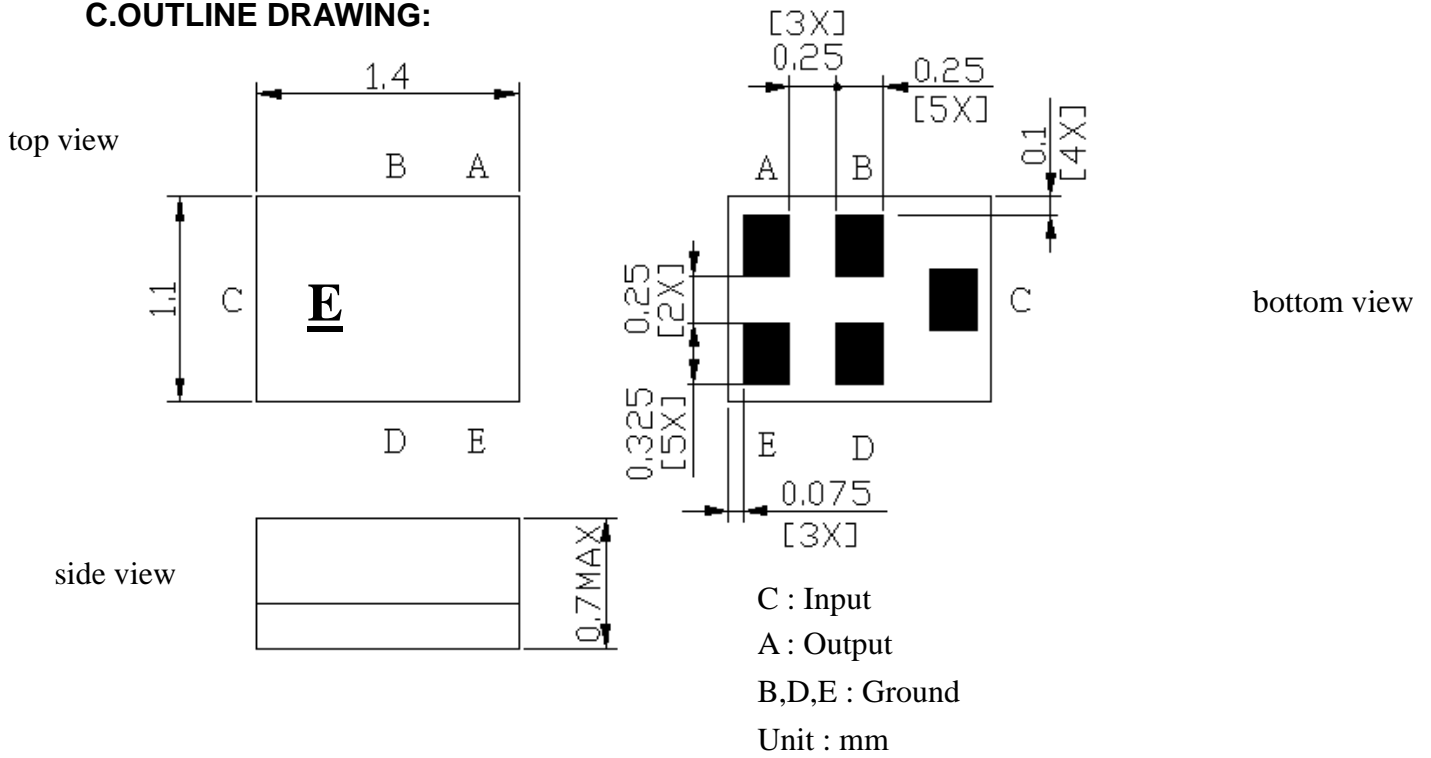
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (single-ended) : $Z_s = 50$

Terminating load impedance (single-ended) : $Z_L = 50$

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	2332.5	-	-
Insertion Loss (2320~2345 MHz) IL	dB	-	1.9	3.5	-
Amplitude ripple (2320~2345 MHz)	dB	-	0.7	2	-
Group Delay ripple (2320~2345 MHz)	ns	-	7	50	-
VSWR (2320~2345 MHz)		-	1.5	2.5	-
Attenuation (Reference level from 0 dB)					
D.C.~2175 MHz	dB	40	42	-	-
2227 MHz	dB	27	47	-	-
2400 MHz	dB	12	58	-	-
2426 MHz	dB	17	60	-	-
2500 MHz	dB	27	51	-	-
2526 MHz	dB	32	50	-	-
2700~3500 MHz	dB	30	48	-	-
Temperature Coefficient of Frequency	ppm/	-	-36	-	-

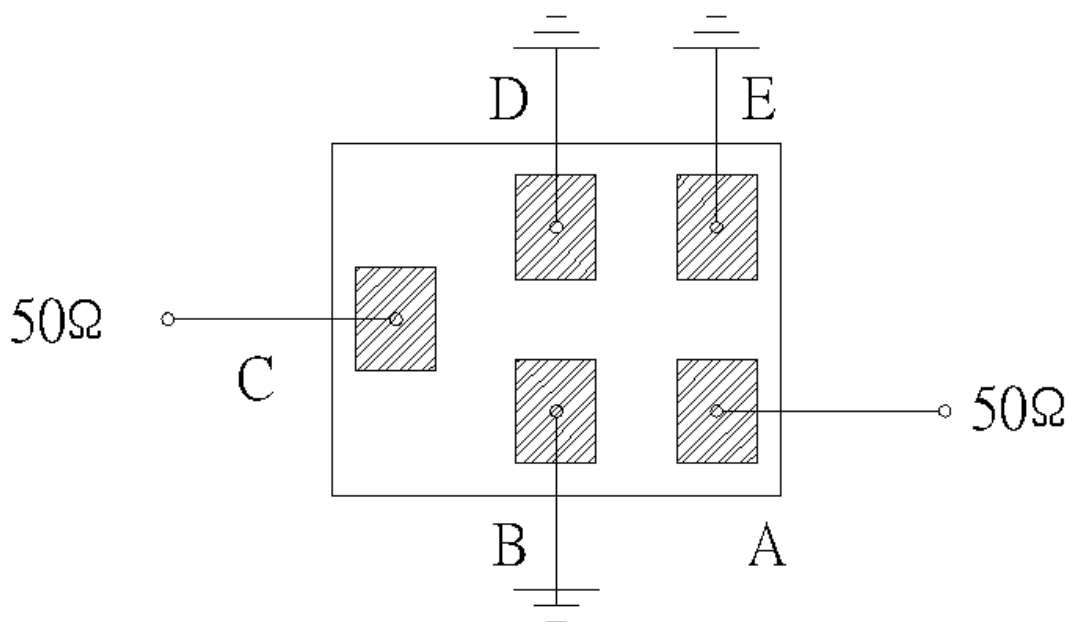
C.OUTLINE DRAWING:



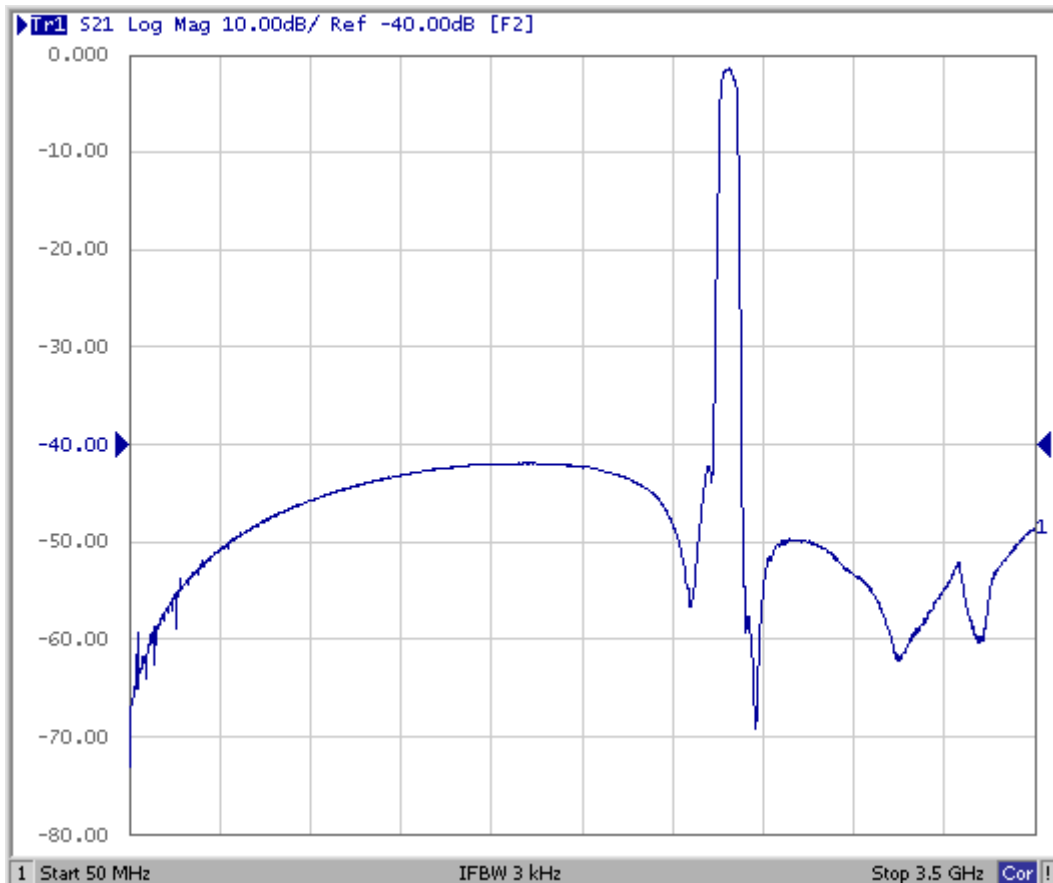
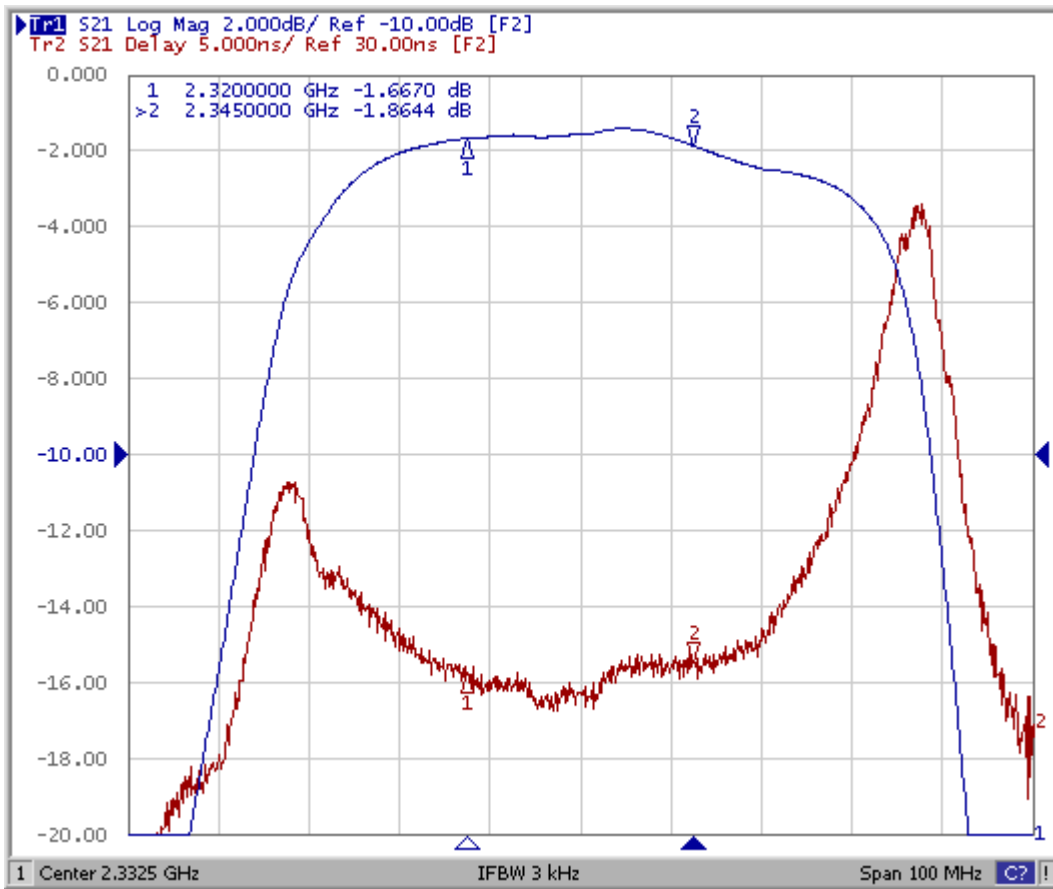
: Year/Month Code (Follow the table)

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>

D. MEASUREMENT CIRCUIT:

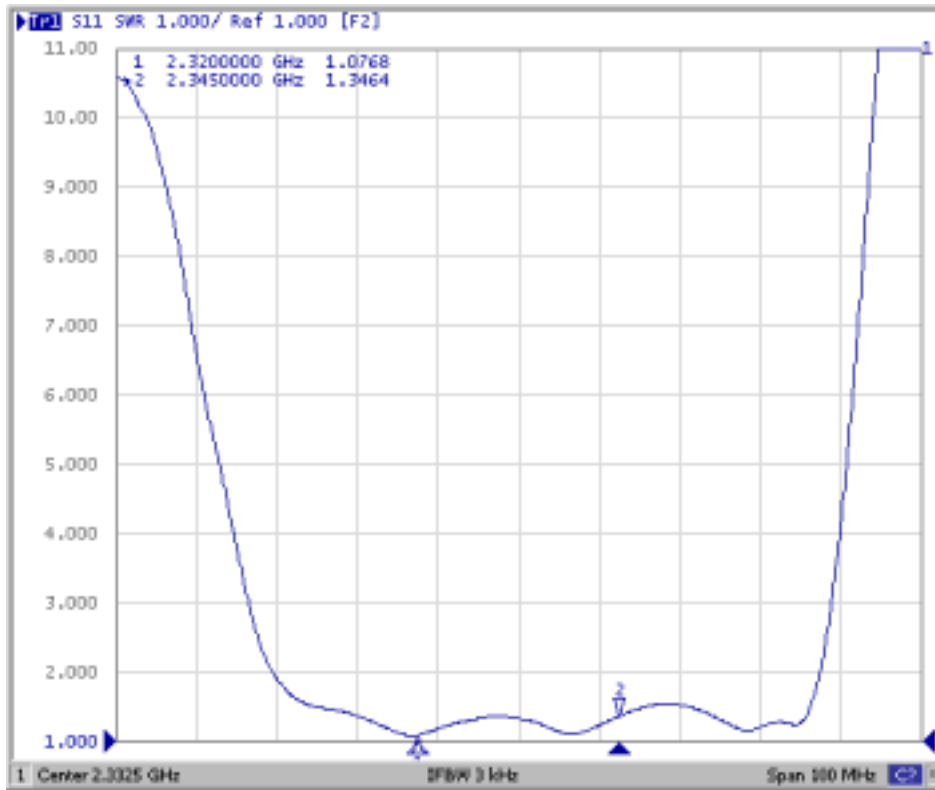


E. Frequency Characteristics :

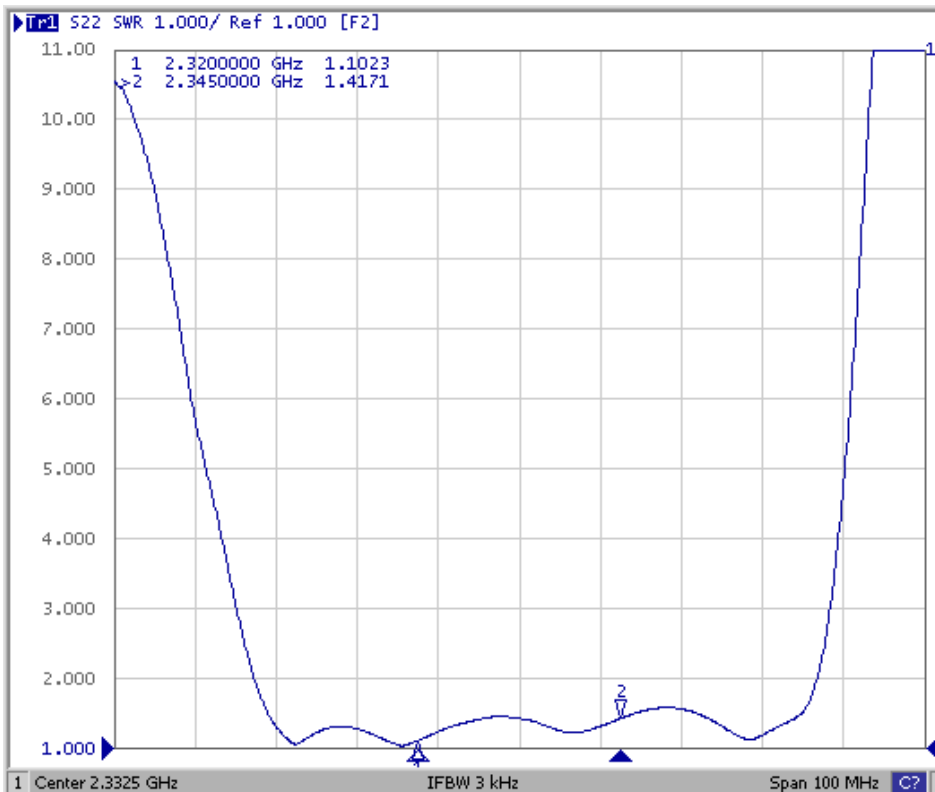


Reflection Functions :

S11



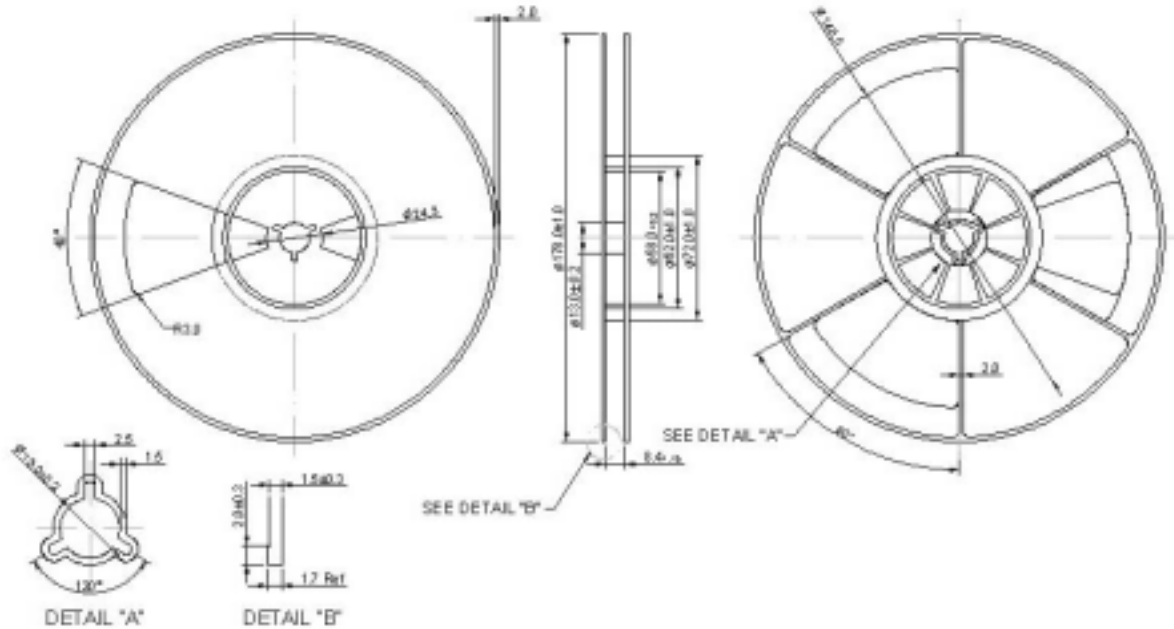
S22



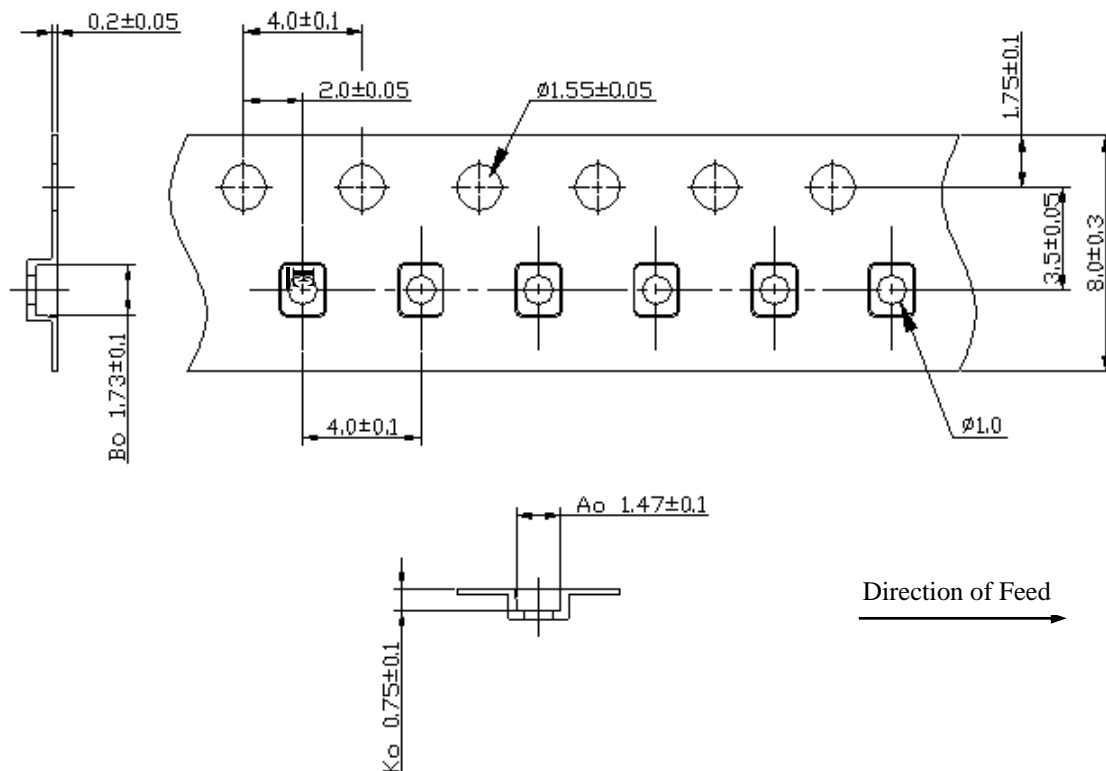
F. PACKING:

1. REEL DIMENSION

(Reel Count : 7"=3000 or per the request of customer order)



2.TAPE DIMENSION



G. RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at 150~180 for 60~90 seconds.
2. Ascending time to preheating temperature 150 shall be 30 seconds min.
3. Heating shall be fixed at 220 for 50~80 seconds and at 245~260 peak (min. 10sec).
4. Time : 2 times.

