



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Product Specifications Approval Sheet

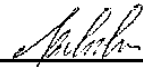
Product Description: SAW Filter 2595 MHz SMD 1.4X1.1 mm (BW=50MHz)

TST Part No.: TA1426A

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 2595MHz

MODEL NO.:TA1426A

REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

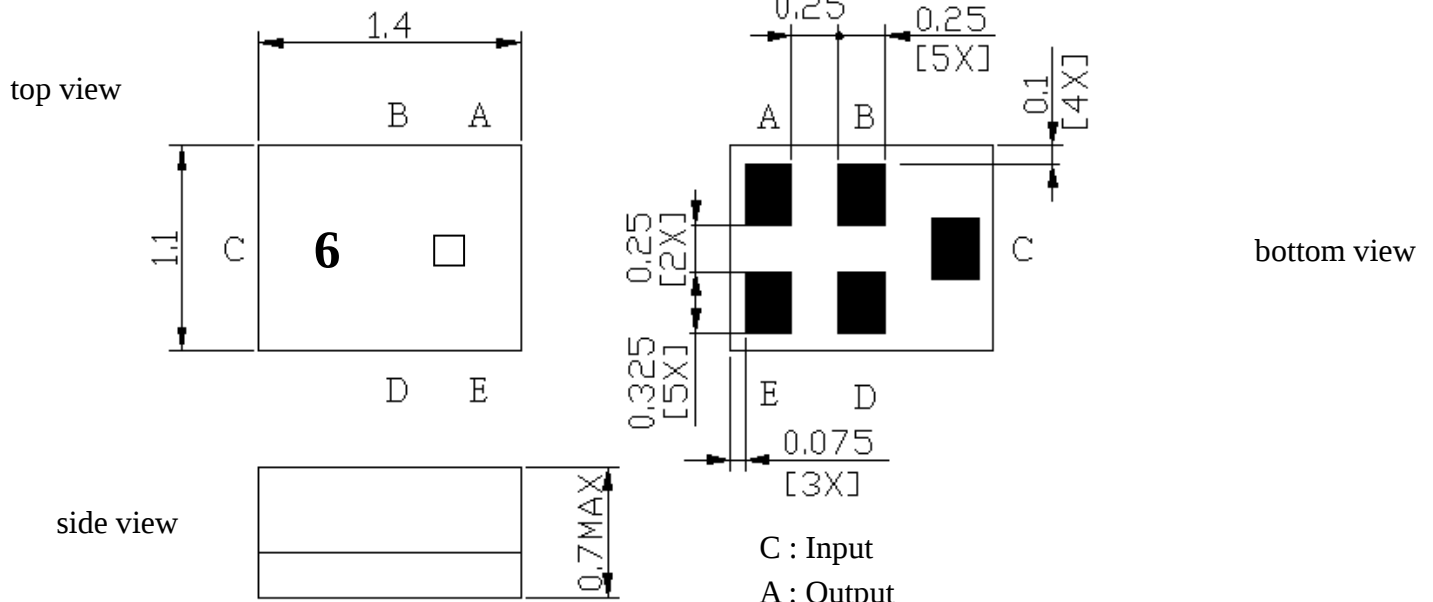
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance : $Z_s = 50 \Omega$

Terminating load impedance : $Z_L = 50 \Omega$

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency F_c	MHz	-	2595	-	-
Max. Insertion Loss (2570~2620 MHz) IL	dB	-	2.1	3.8	-
Amplitude ripple (2570~2620 MHz)	dB	-	0.9	1.8	-
VSWR (2570~2620 MHz)		-	1.5	2.3	-
Attenuation (Reference level from 0 dB)					
0.1~200 MHz	dB	40	48	-	-
200~2485 MHz	dB	30	31.5	-	-
2485~2510 MHz	dB	20	42	-	-
2680~2705 MHz	dB	20	50	-	-
2705~3000 MHz	dB	35	36	-	-
3000~4000 MHz	dB	20	37	-	-
4000~4900 MHz	dB	20	49	-	-
4900~6000 MHz	dB	25	40	-	-
Temperature Coefficient of Frequency	ppm/	-	-36	-	-

C.OUTLINE DRAWING:

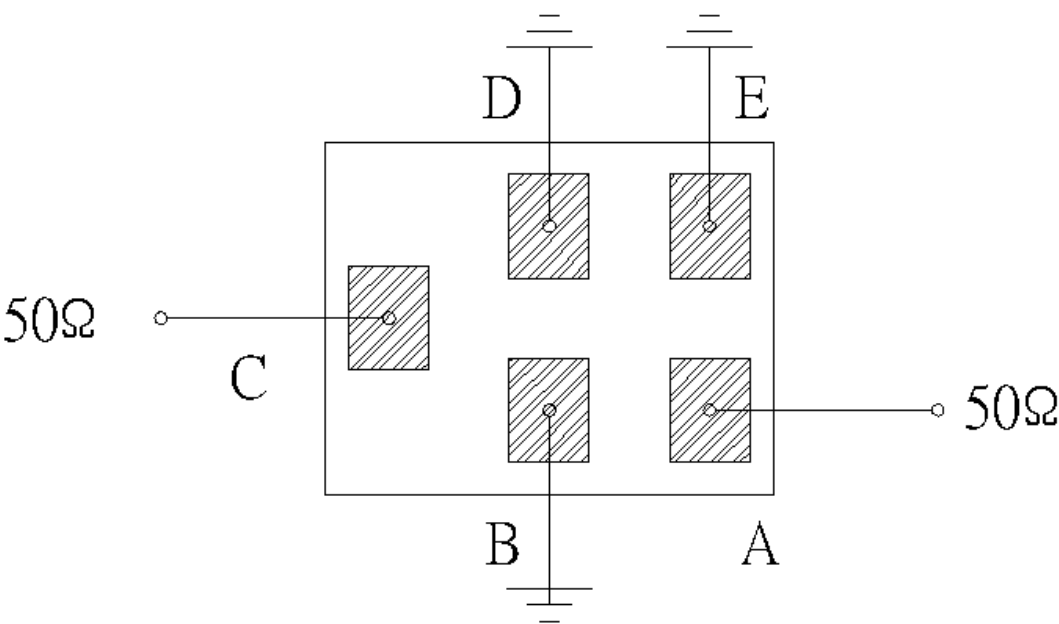


C : Input
A : Output
B,D,E : Ground
Unit : mm

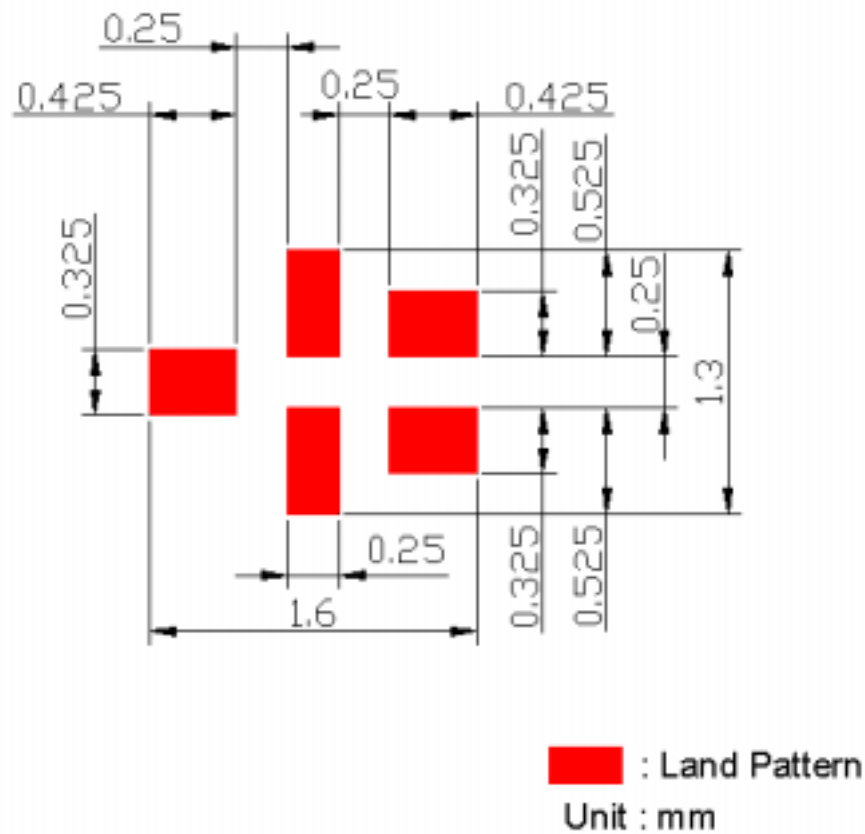
□ : Year/Month Code (Follow the table)

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>

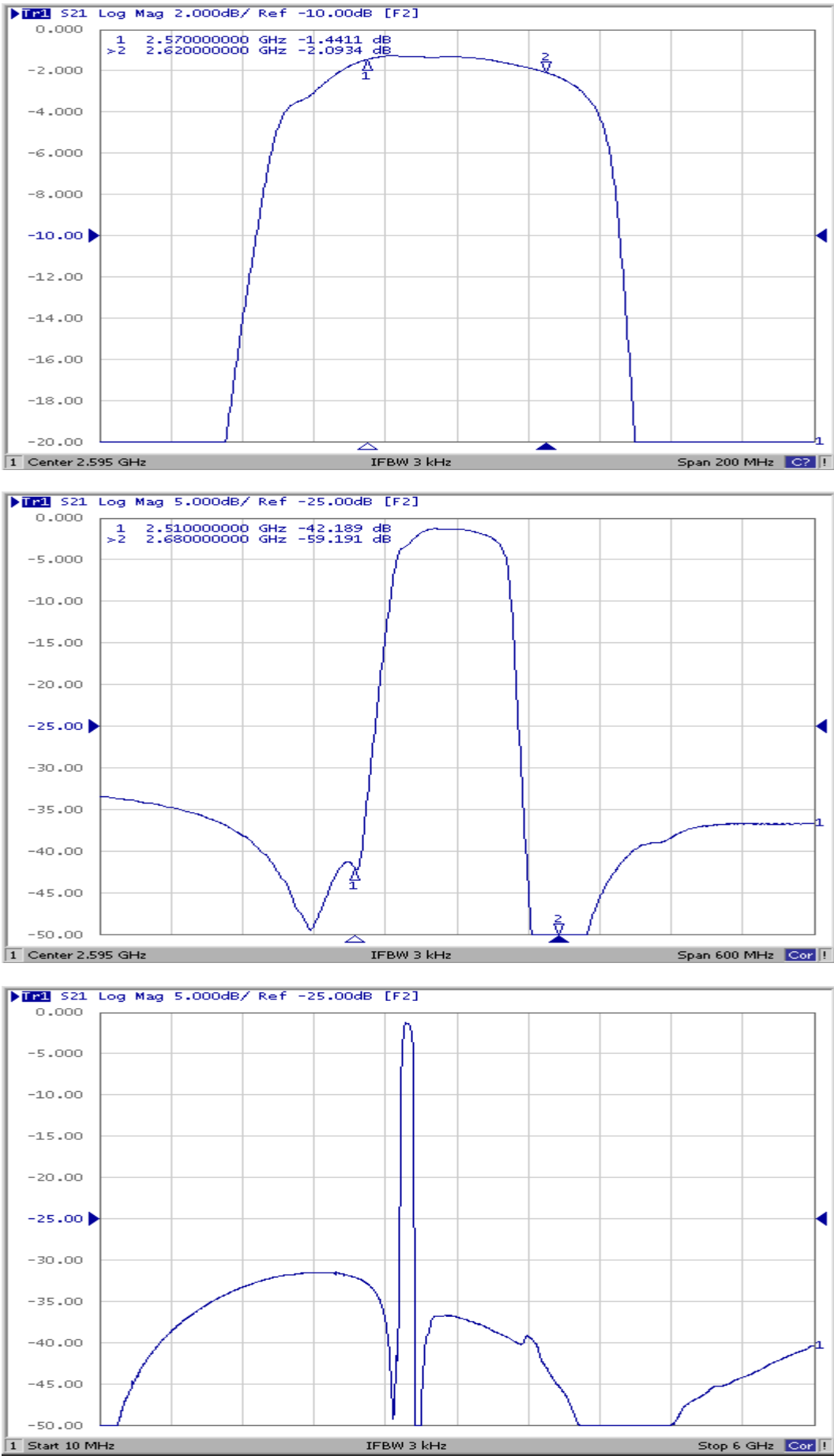
D. MEASUREMENT CIRCUIT:



E. PCB Footprint:

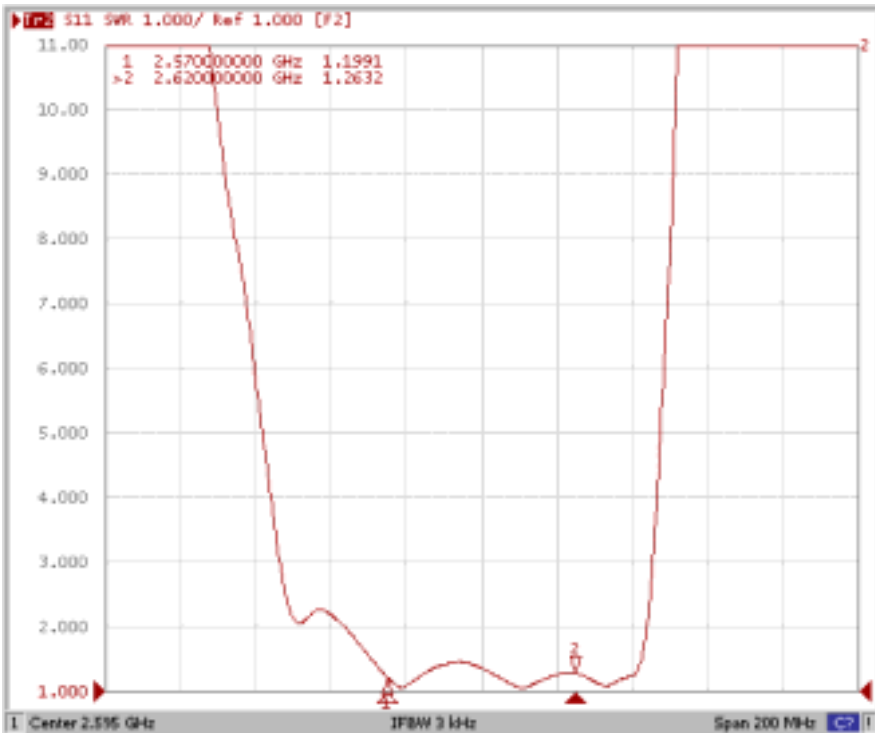


F. Frequency Characteristics :

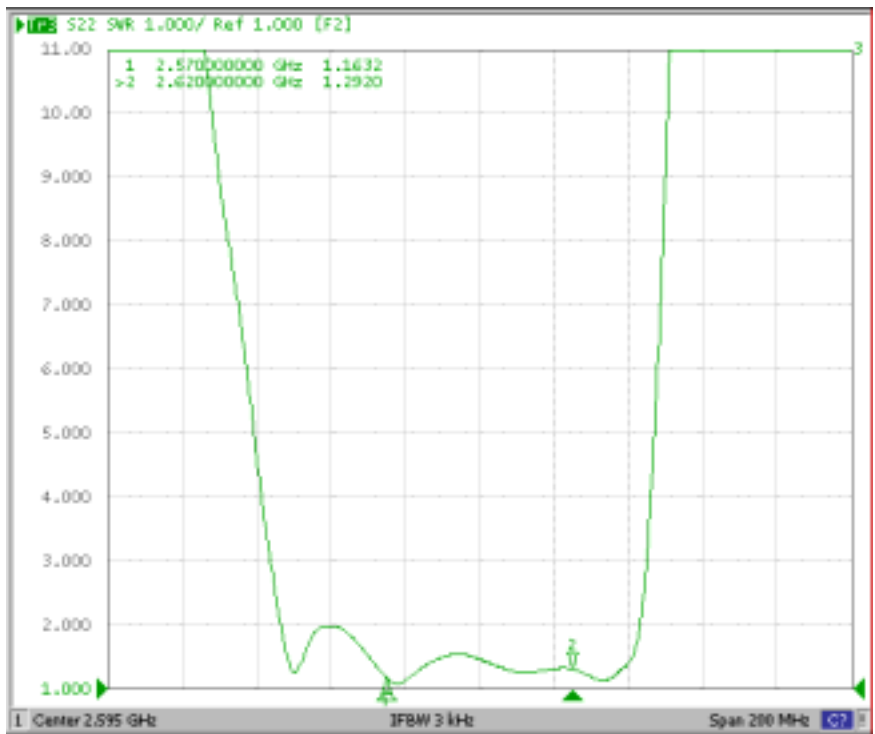


Reflection Functions :

S11



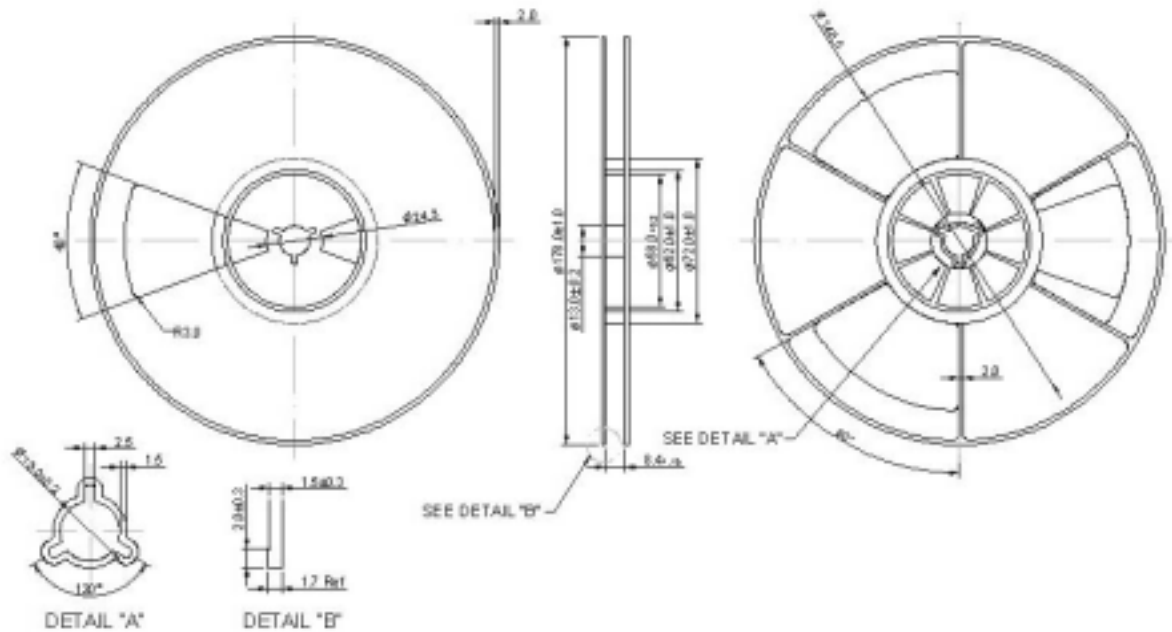
S22



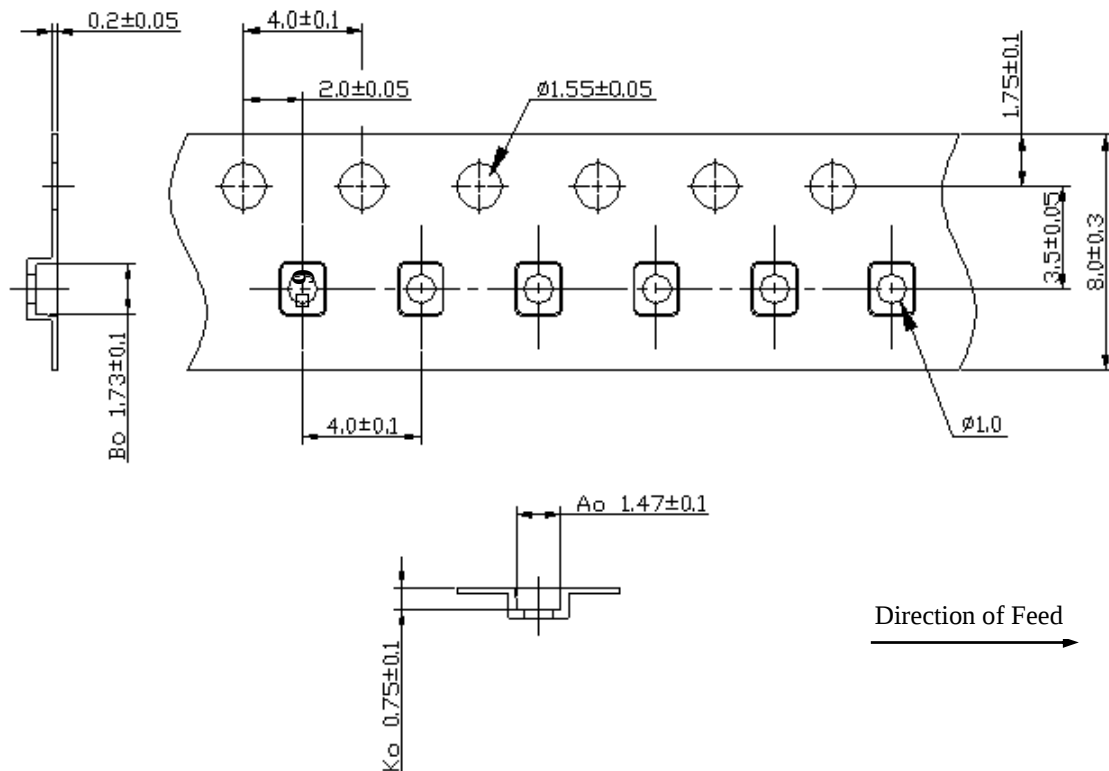
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7"=3000)

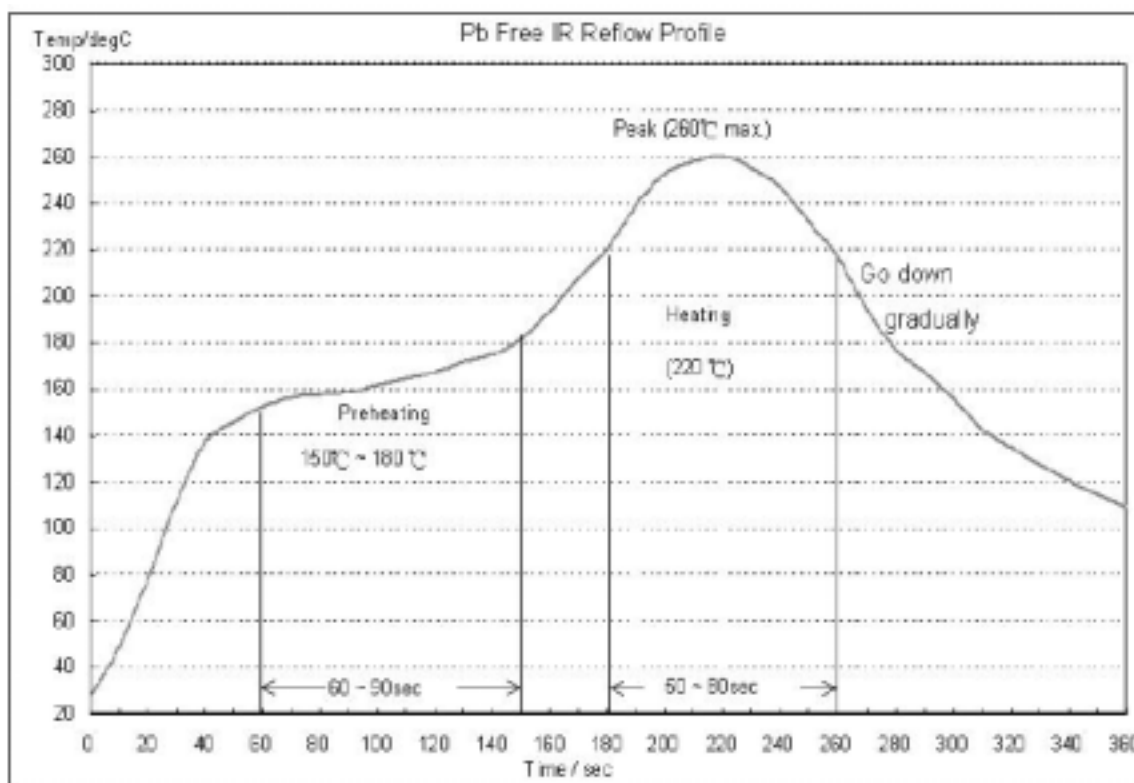


2. TAPE DIMENSION



H. 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.



I. STORAGE CONDITIONS :

- 1) Store in manufacturer's package or tightly reclosed box with the following conditions.
[Temperature: -10...+40°C, Humidity: 30...85%RH] Examine solderability before using this component, since more than 6 months storage might be a cause of degradation of solderability. Notice that long-term storage might be a cause of the discoloration.
- 2) To keep solderability of outer-electrode, do not store in the following environments.
 - Ambient air containing corrosive gas (Cl₂, H₂S, NH₃, SOX, NOX, etc.)
 - Ambient air containing volatile or combustible gas
 - In dusty place
 - In the places where the water splashes and it tends to condense for high humid
 - In direct sunlight
 - In the places under the strong influence of static electricity or electric field strengthContact the manufacturer before using the component in any of the above environments.
- 3) Do not open minimum packing unit until usage.