



# TAI-SAW TECHNOLOGY CO., LTD.

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

TEL: 886-3-4690038 FAX: 886-3-4697532

E-mail: [tstsales@mail.taisaw.com](mailto:tstsales@mail.taisaw.com) Web: [www.taisaw.com](http://www.taisaw.com)

## Product Specifications Approval Sheet

Product Description: SAW Filter 2062 MHz SMD 1.4 x 1.1mm

TST Part No.: TA2071A

Customer Part No.: \_\_\_\_\_

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

Checked by: \_\_\_\_\_ Sam Lin *Sam Lin*

Approved by: \_\_\_\_\_ Bob Chao *Bob Chao*

Date: \_\_\_\_\_ 2017/01/16

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 2062MHz SMD 1.4X1.1 mm

MODEL NO.:TA2071A

REV. NO.:1.0

### A. MAXIMUM RATING:

1. Input Power Level: 17 dBm
2. DC Voltage : 3V
3. Operating Temperature: -15°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant  
Lead free  
Lead-free soldering

Electrostatic Sensitive Device (ESD)

### B. ELECTRICAL CHARACTERISTICS:

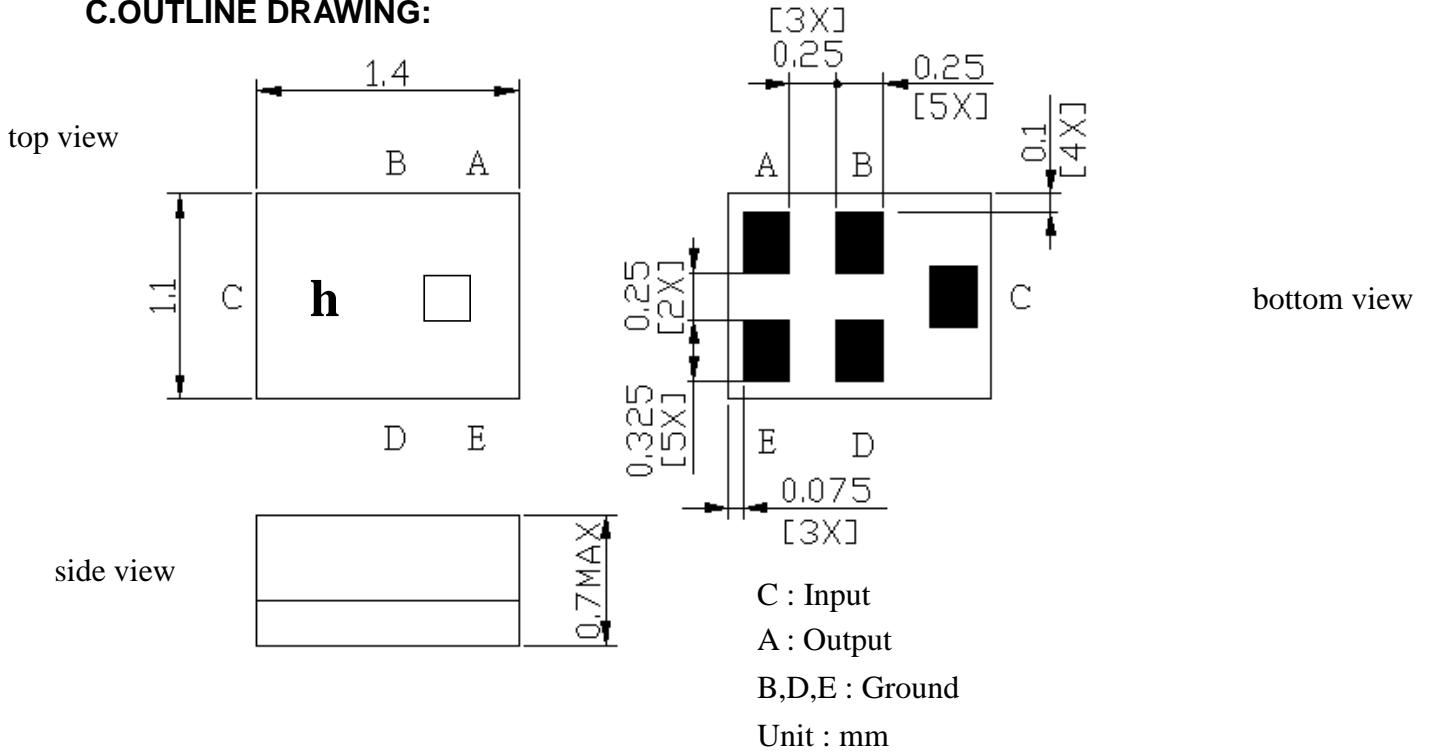
Terminating source impedance :  $Z_s = 50 \Omega$

Terminating load impedance :  $Z_L = 50 \Omega$

Item	Unit	Min.	Type.	Max.
<b>Center Frequency</b>	<b>Fc</b> MHz	-	2061.5	-
<b>Insertion Loss (2025.5 ~ 2097.5 MHz)</b>	<b>IL</b> dB	-	3.0	<b>3.5</b>
<b>Amplitude ripple (2025.5 ~ 2097.5 MHz)</b>	dB	-	1.4	<b>2.5</b>
<b>VSWR (2025.5 ~ 2097.5 MHz)</b>		-	2.5	<b>2.8</b>
<b>Attenuation</b>				
D.C ~ 1900 MHz	dB	30	37	-
1900 ~ 1980 MHz	dB	20	26	-
2000 ~ 2010 MHz	dB	4	9	-
2121 ~ 2145 MHz	dB	8	12	-
2165 ~ 4000 MHz	dB	30	34	-

\* Specification including temperature tolerant.

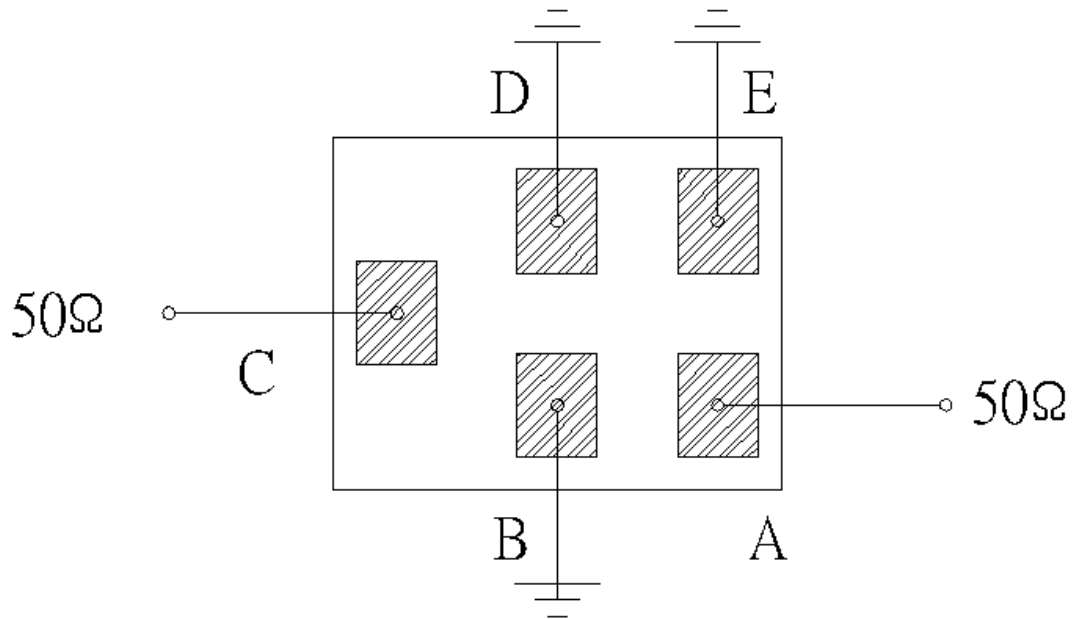
**C.OUTLINE DRAWING:**



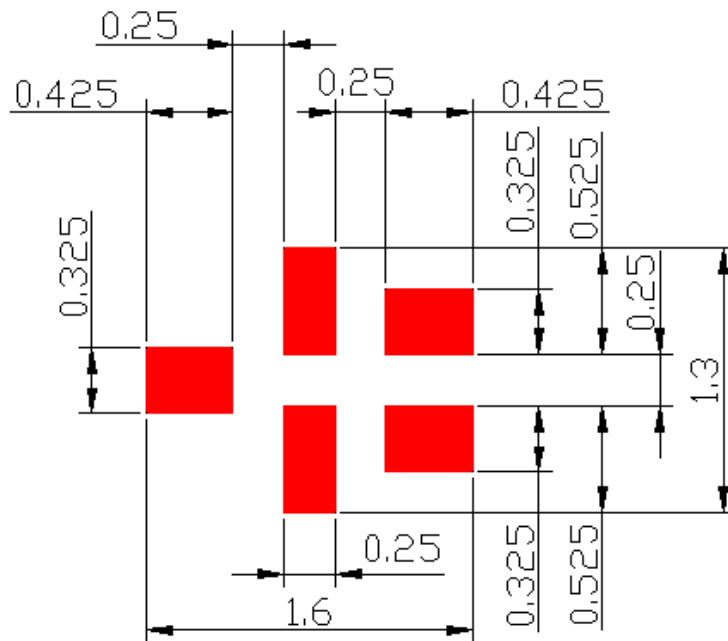
□ : Year/Month Code (Follow the table)

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:**



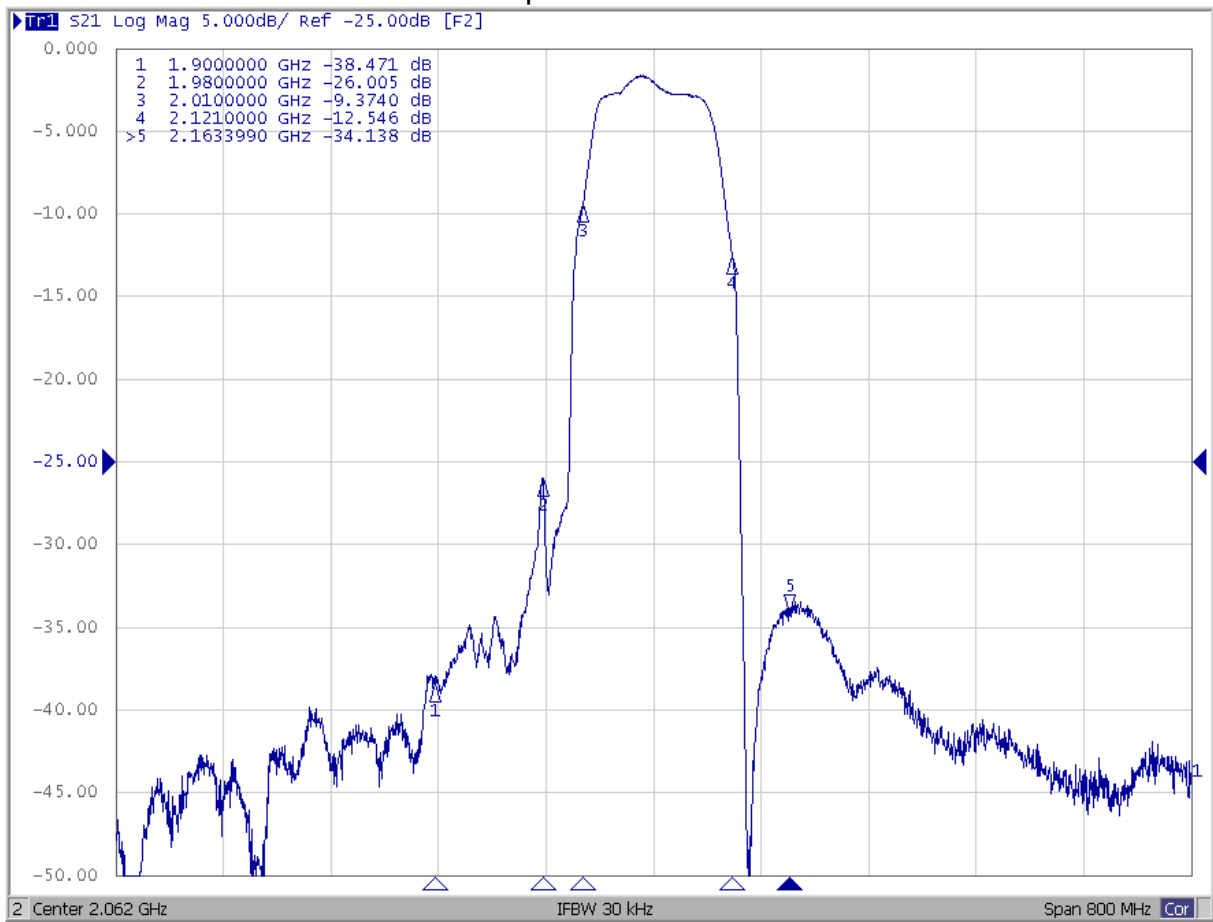
**E. PCB Footprint:**



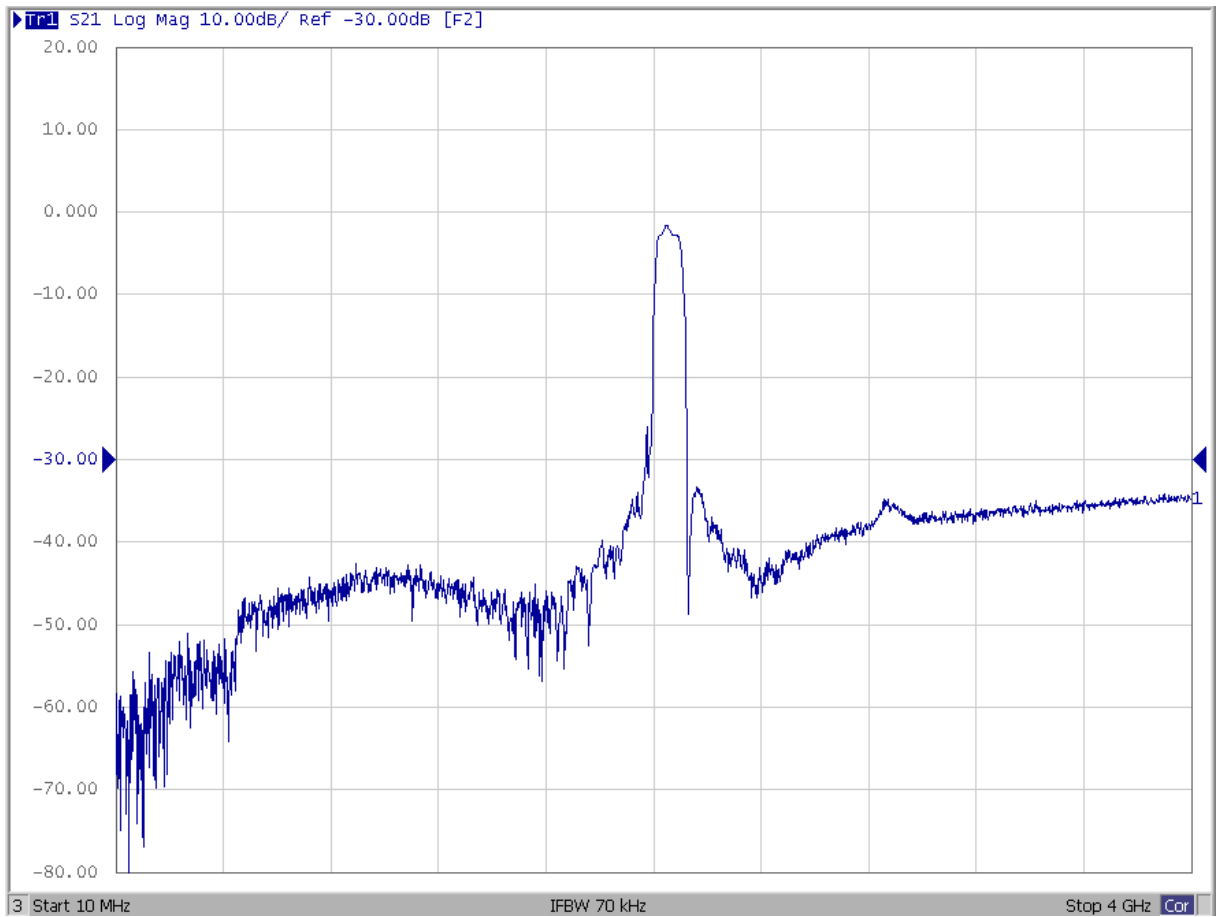
: Land Pattern  
Unit : mm

## F. Frequency Characteristics :

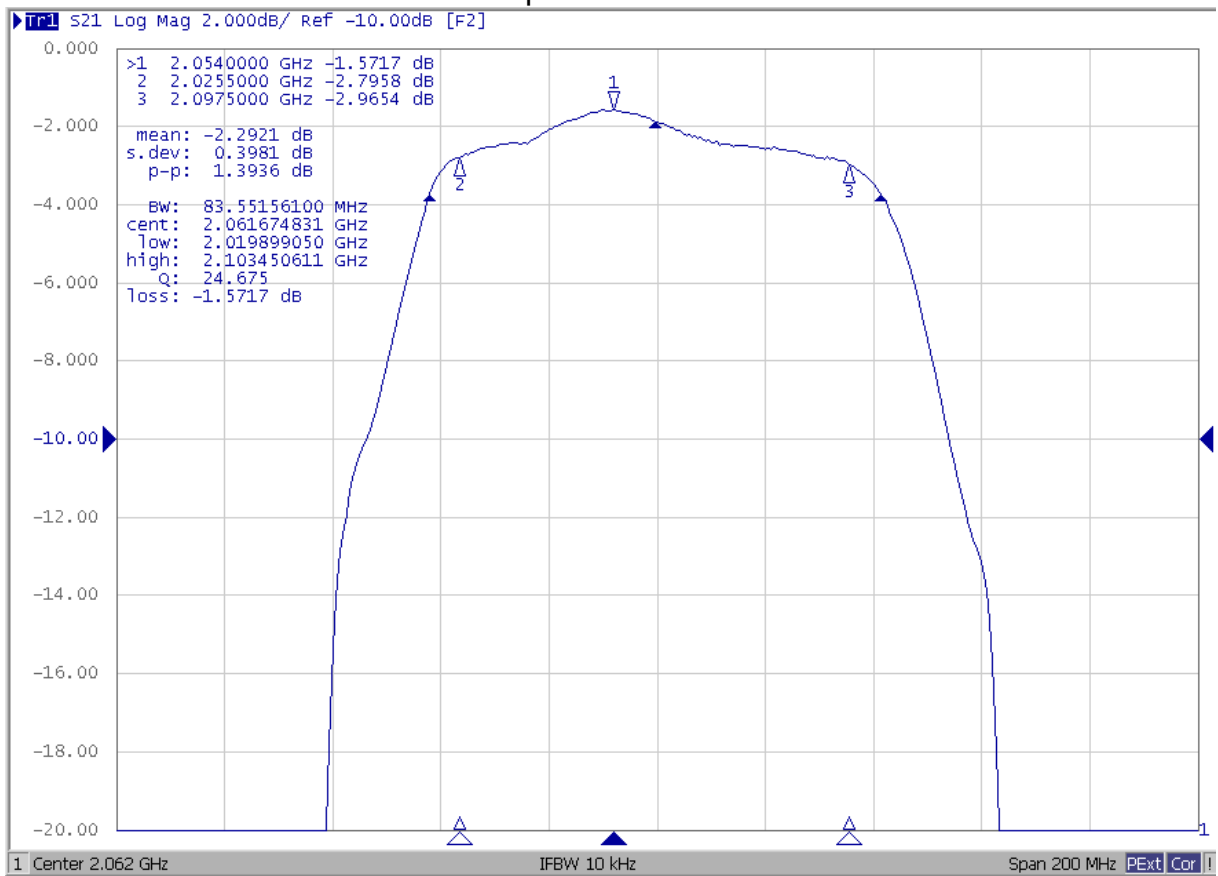
Span 800 MHz



Span 4000 MHz

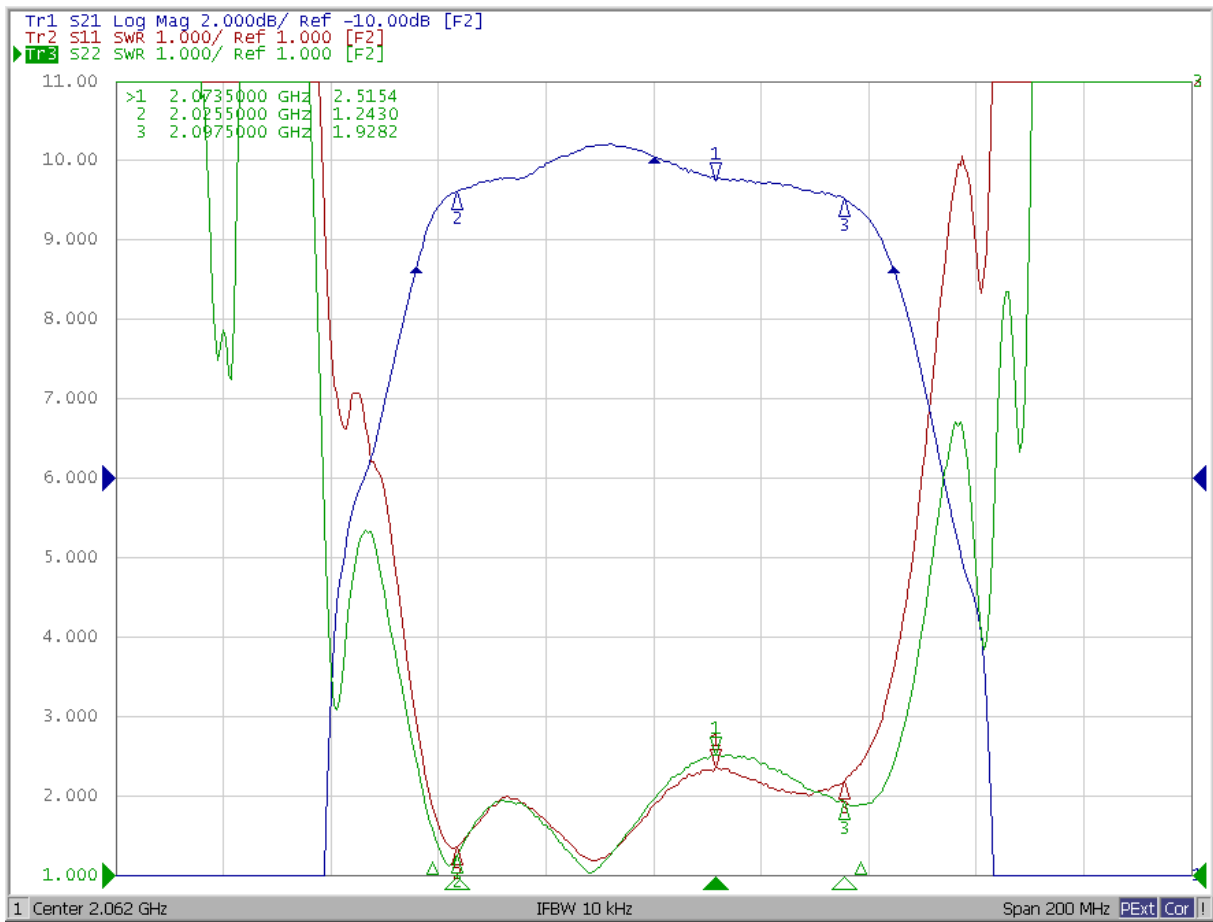


Span 200 MHz



**Reflection Functions :**

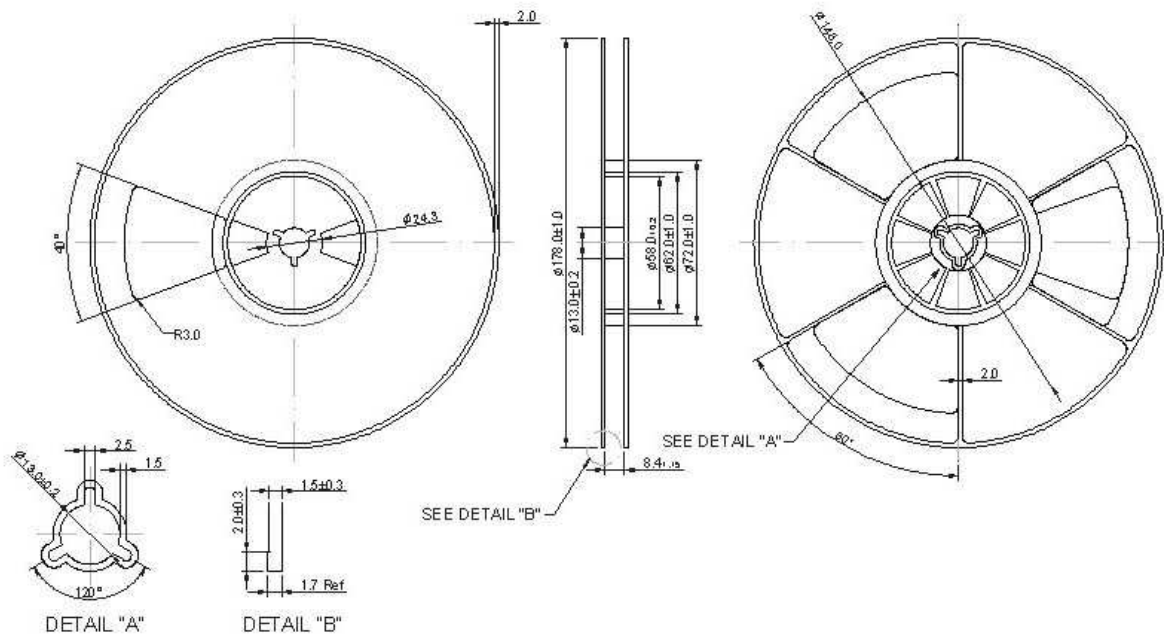
Span 200 MHz



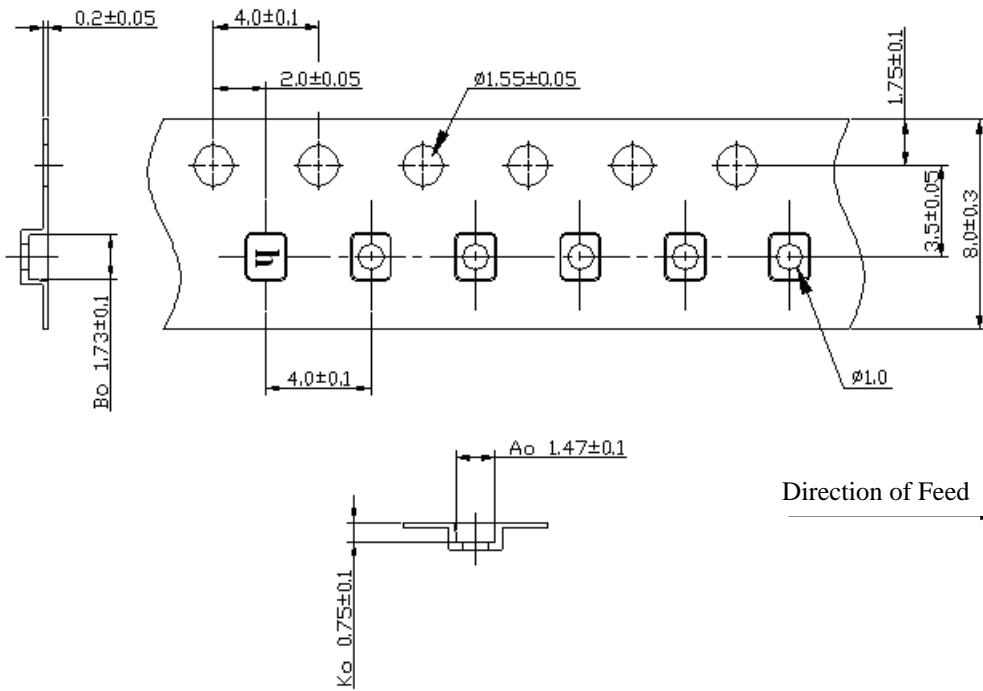
## G. PACKING:

### 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.

