



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 Web: www.taisaw.com

Product Specifications Approval Sheet

Product Description: SAW Filter 1590.155 MHz (BW 31.47MHz) SMD 1.1X0.9mm

TST Parts No.: TA2567A

Customer Parts No.: _____

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Michael Yang *Michael*

Approval by: _____ Andy Yu *Andy Yu*

Date: _____ 2019/05/27

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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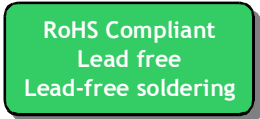
SAW Filter 1590.155 MHz BW 47MHz SMD 1.1x0.9x0.5mm

MODEL NO.: TA2567A

REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30 °C to +85 °C
4. Storage Temperature: -40 °C to +95 °C
5. Moisture Sensitive Level (MSL): Level 3

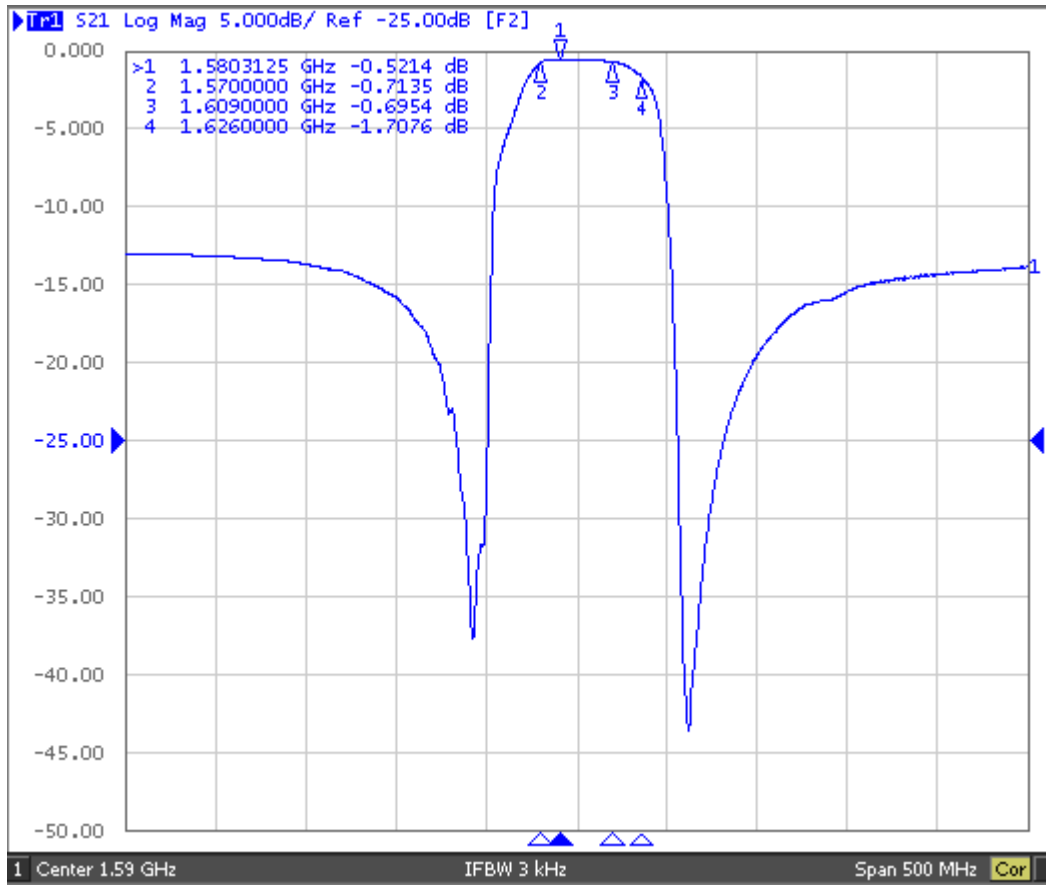


Electrostatic Sensitive Device (ESD)

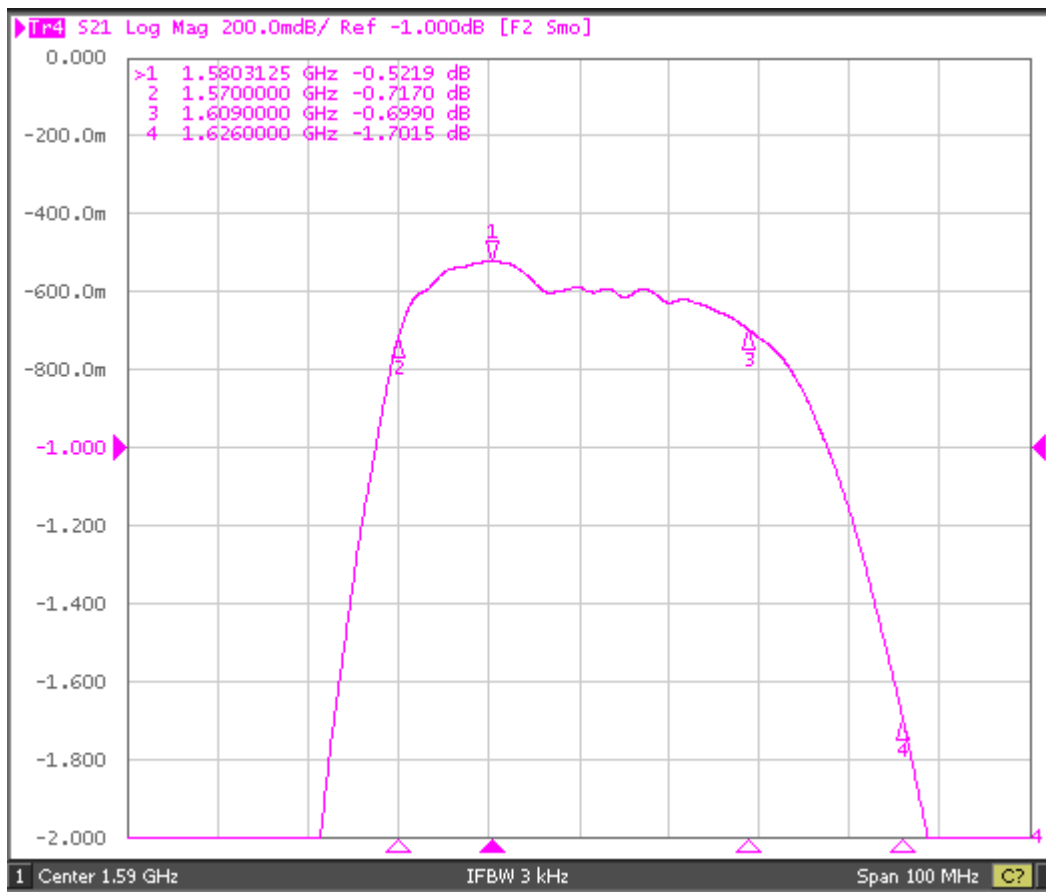
B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min	Type.	Max
Center Frequency Fc	MHz	-	1590.155	-
Insertion Loss (1574.42~1576.42 MHz) IL	dB		0.8	1.0
Insertion Loss (1597.55~1605.89 MHz) IL	dB		0.8	1.0
VSWR (1574.42~1576.42 MHz)			1.6	2.0
VSWR (1597.55~1605.89 MHz)			1.6	2.0
Amplitude ripple				
(1573.42~1577.42 MHz)	dB		0.3	0.6
(1597.55~1605.89 MHz)	dB		0.3	0.6
Attenuation				
100 ~ 915 MHz	dB	10	12	
915 ~ 1525 MHz	dB	10	12	
1626 ~ 1660 MHz	dB	1.3	2.2	
1660 ~ 2400 MHz	dB	10	12	
2400 ~ 4500 MHz	dB	11	13	
4500 ~ 6000 MHz	dB	16	20	
Package size	mm	1109		

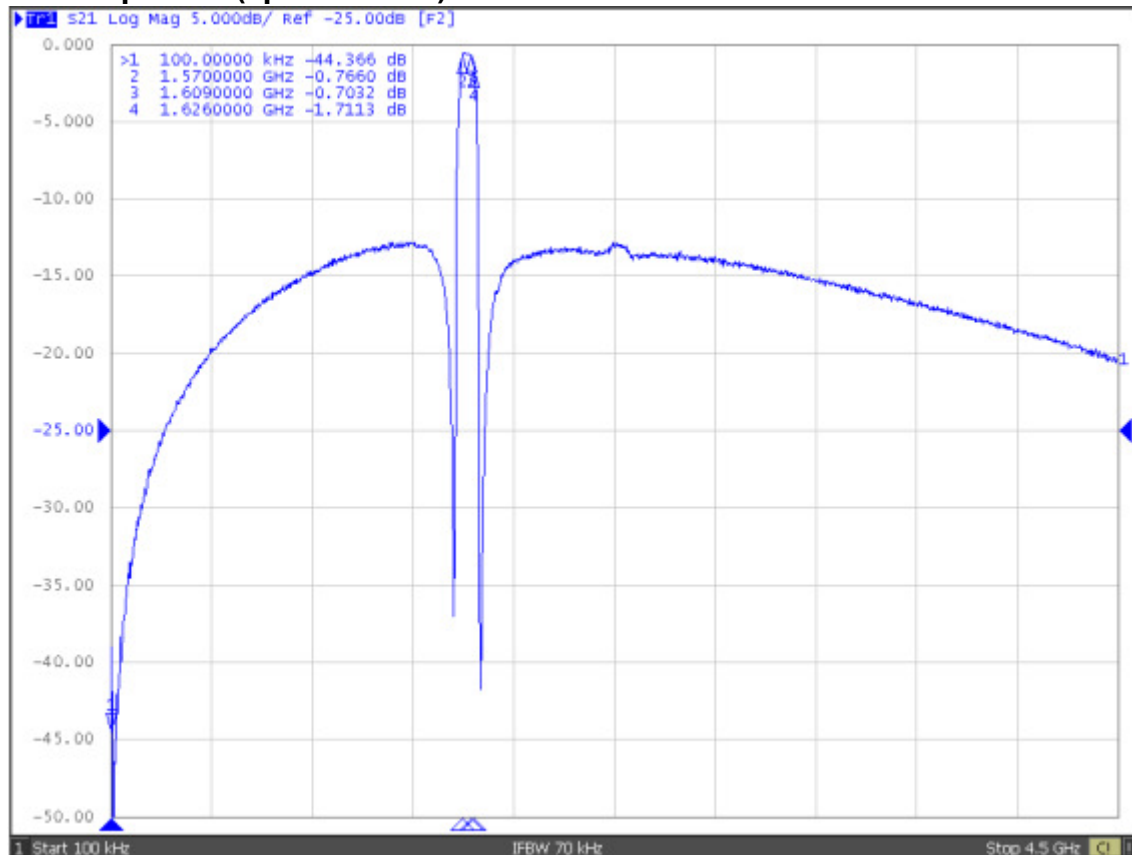
C.FREQUENCY CHARACTERISTICS:
S21 response: (span 500MHz)



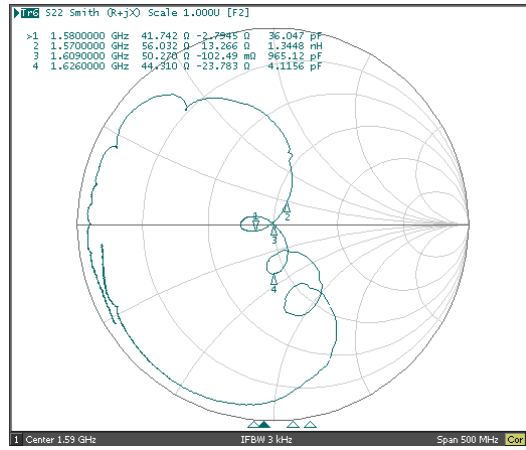
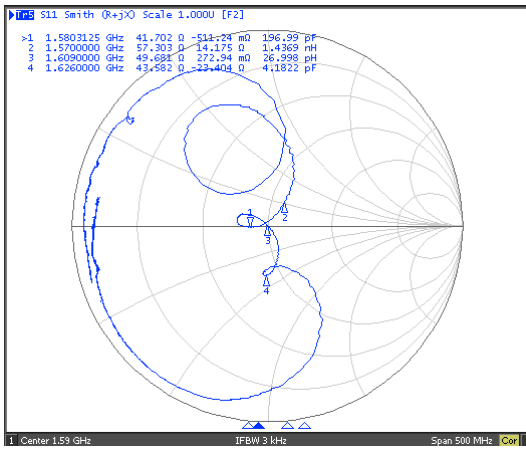
S21 response: (span 140MHz)



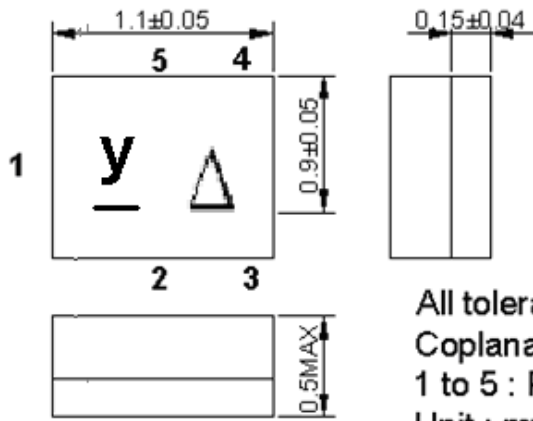
S21 response: (span 4.5GHz)



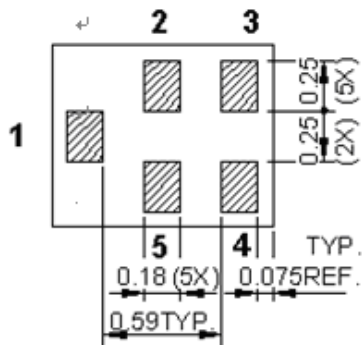
S11/S22 response:



D.OUTLINE DRAWING:



All tolerances are +/-0.05 mm unless otherwise specified
 Coplanarity : 0.1 mm max.
 1 to 5 : Pin No.
 Unit : mm



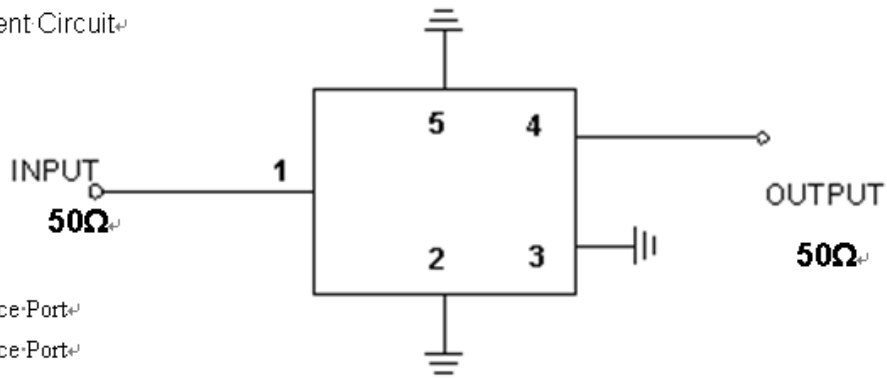
Pin-No.⊕	Symbol⊕	Function⊕
1⊕	IN⊕	Input⊕
2⊕	GND⊕	Ground⊕
3⊕	GND⊕	Ground⊕
4⊕	OUT⊕	Output⊕
5⊕	GND⊕	Ground⊕

Δ : 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>i</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>

E. MEASUREMENT CIRCUIT:

Measurement Circuit

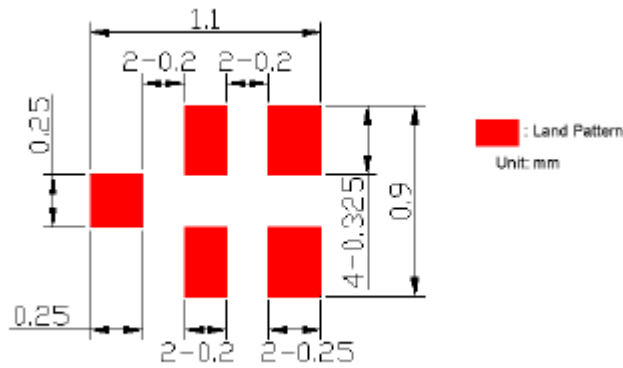


(1): Unbalance Port

(4): Unbalance Port

Others: Ground

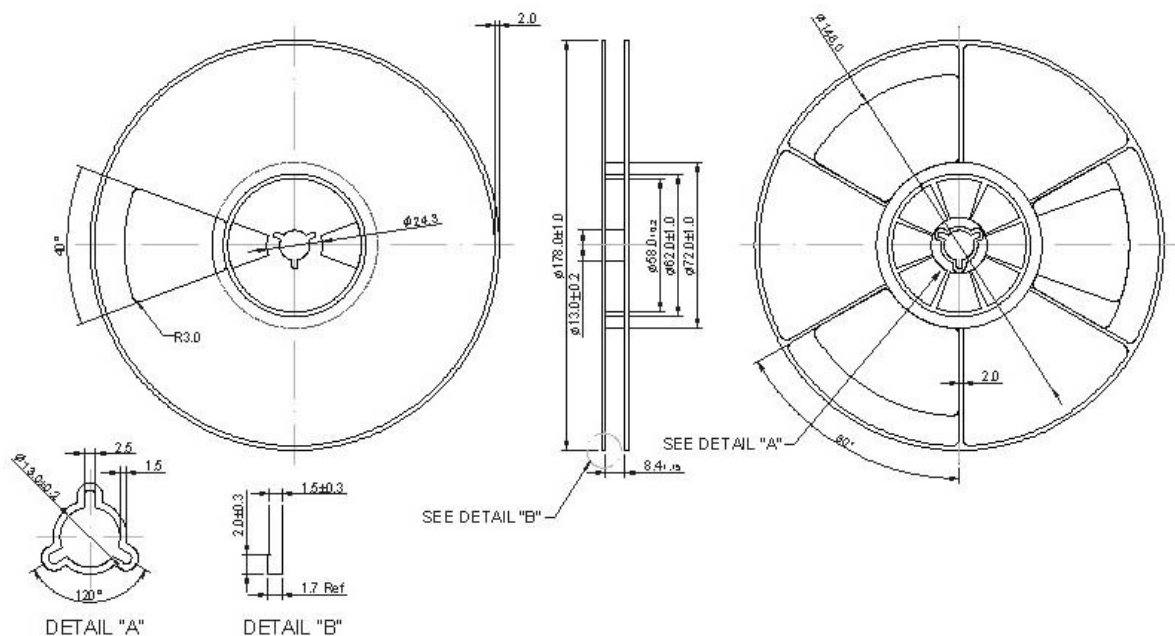
F. FOOT PRINT :



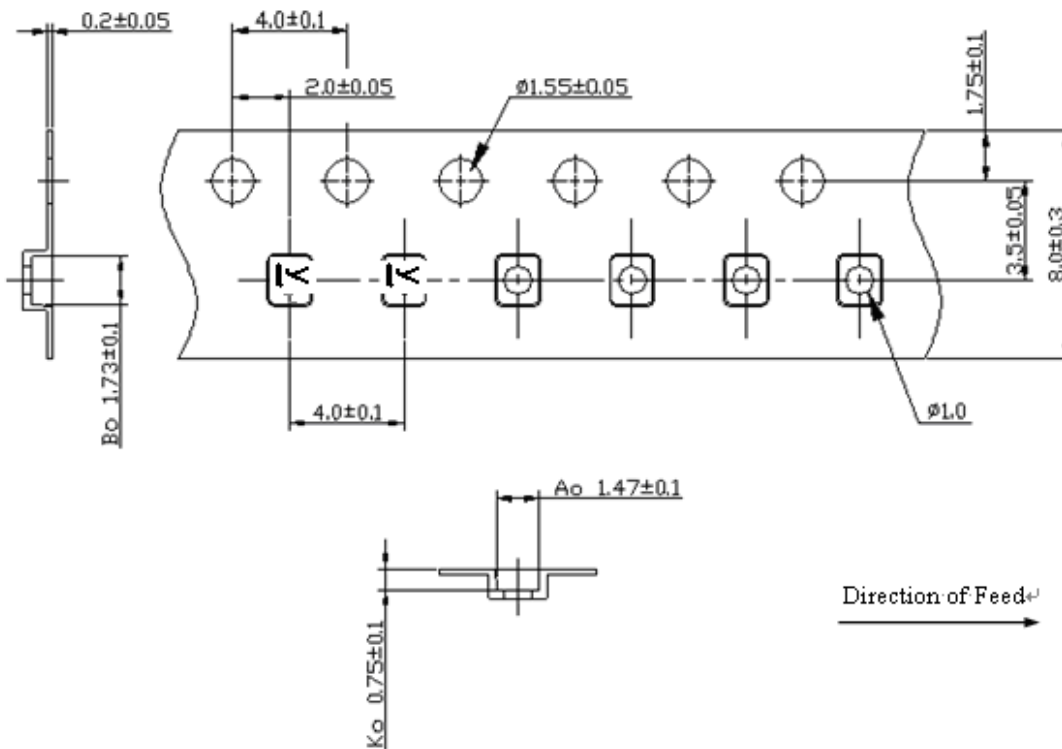
G. PACKING:

1. REEL DIMENSION

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



2.TAPE DIMENSION



H. Recommended Reflow Profile:

1. Preheating shall be fixed at $150 \sim 180^{\circ}\text{C}$ 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 $260^{\circ}\text{C} +0/-5^{\circ}\text{C}$ peak (20~40sec).
4. Time: 2 times.

