



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 Name: SAW Filter 622MHz SMD 3.8x3.8 mm (BW=32MHz)

TST Parts No.: TA2681A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Hong Pu Lin *Hong Pu Lin*

Approval by: _____ Andy Yu *Andy Yu*

Date: _____ 2020/10/15

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 622 MHz

MODEL NO.: TA2681A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 20 dB_m(CW for 70000hrs at 25°C)
2. DC voltage: 5 V
3. Operating Temperature: -40°C to +105°C
4. Storage Temperature: -40°C to +105°C
5. Moisture Sensitivity Level: Level 1(**MSL1**)

RoHS Compliant

Lead-free soldering

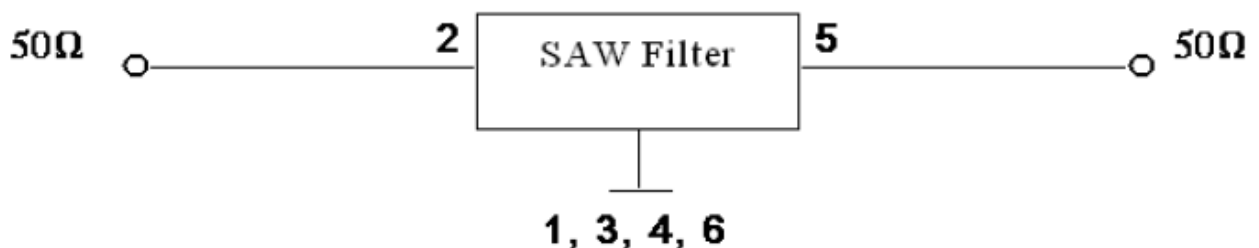
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	min	type	Max
Center Frequency Fc	MHz		622	
Insertion Loss 606~638MHz (0°C to +50°C)	dB		2.6	3.5
Insertion Loss 606~638MHz (-40°C to +105°C)	dB		2.6	5.0
Return Loss 606~638MHz (0°C to +50°C)	dB	12	14	
Pass band 606~638MHz	MHz	32	40	
Attenuation (Reference level from 0dB)				
10~420 MHz	dB	50	54	
420~550 MHz	dB	45	54	
700~1050 MHz	dB	42	45	
1050~1220 MHz	dB	42	48	
Temperature Coefficient of Frequency	ppm/°C	-75 typ		

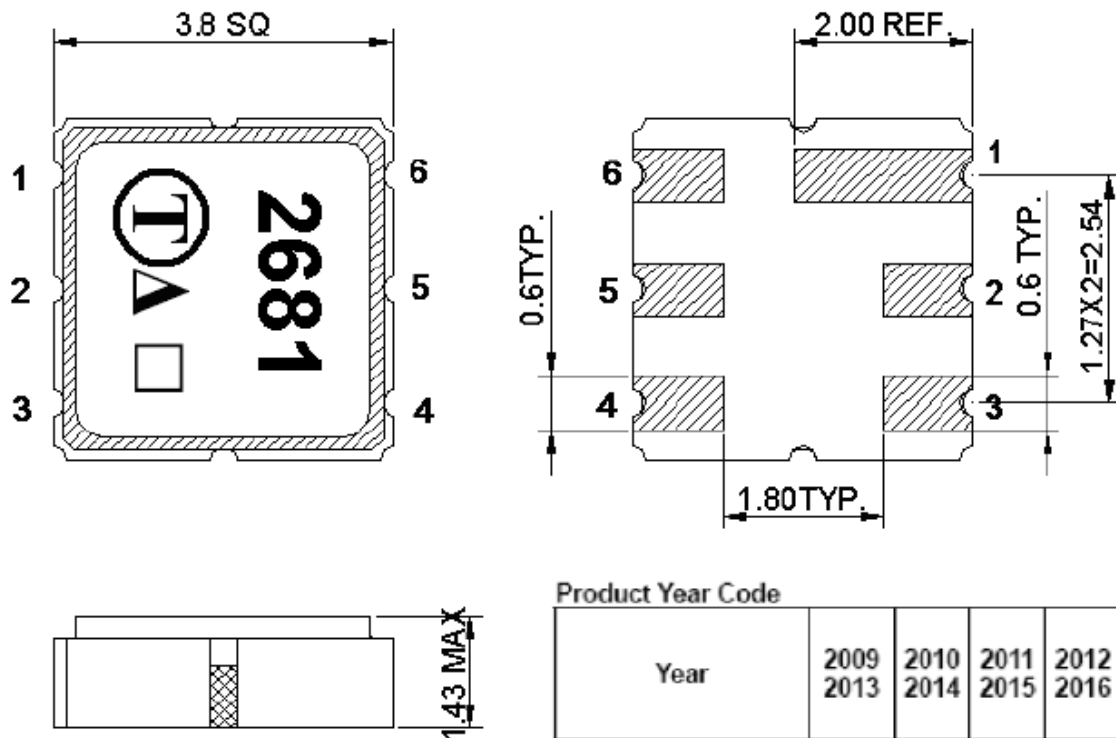
C. MEASUREMENT CIRCUIT:

HP Network analyzer



D. OUTLINE DRAWING:

New



Unit: mm

△: Year Code

□: Date Code

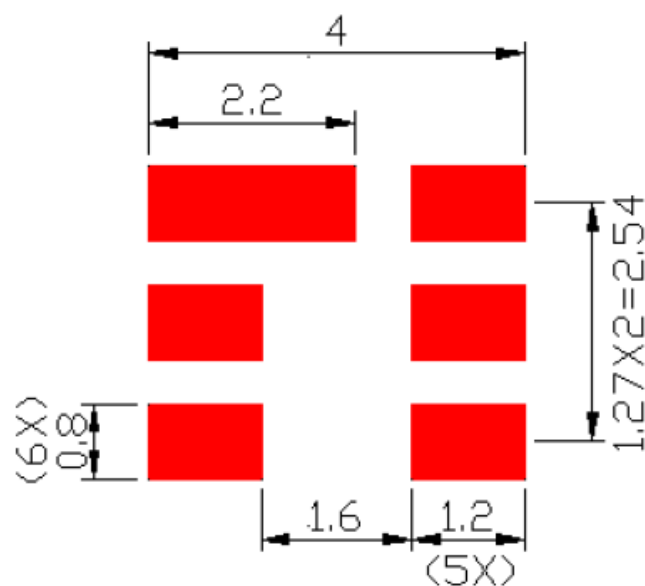
Date Code Table:

Input: 2

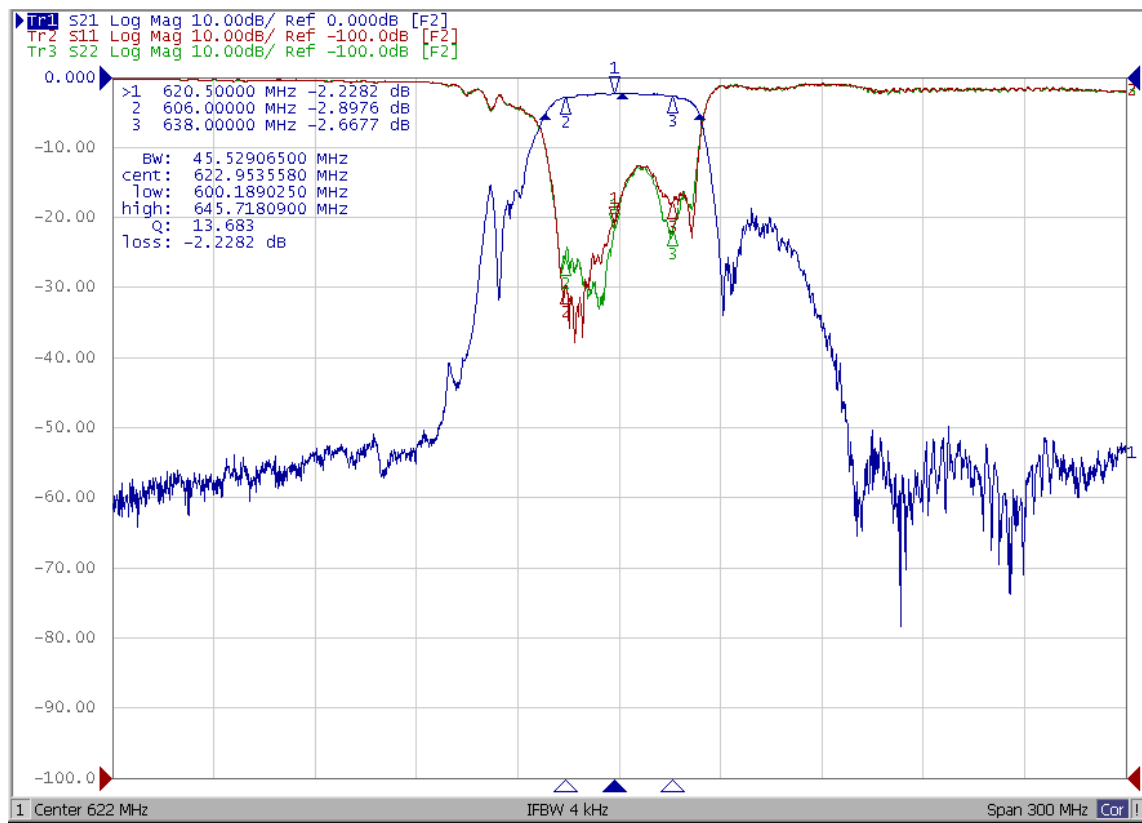
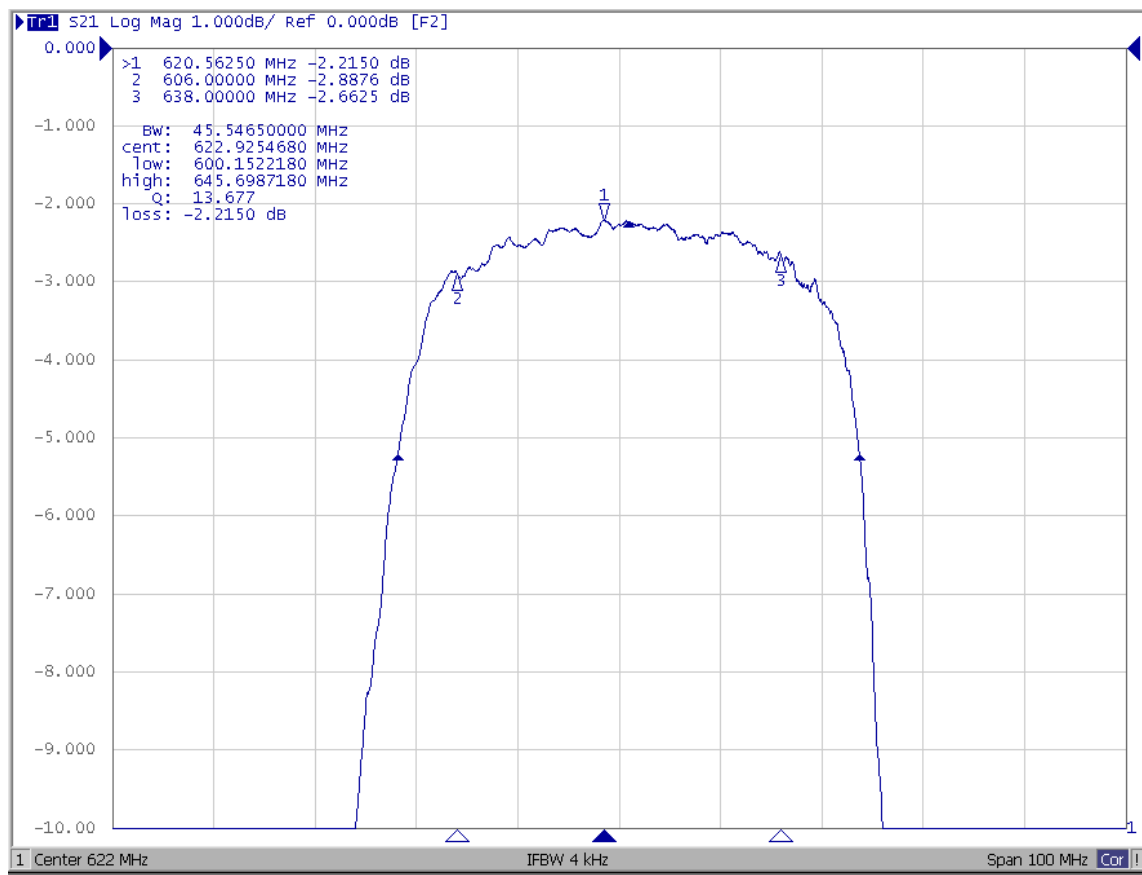
Output: 5

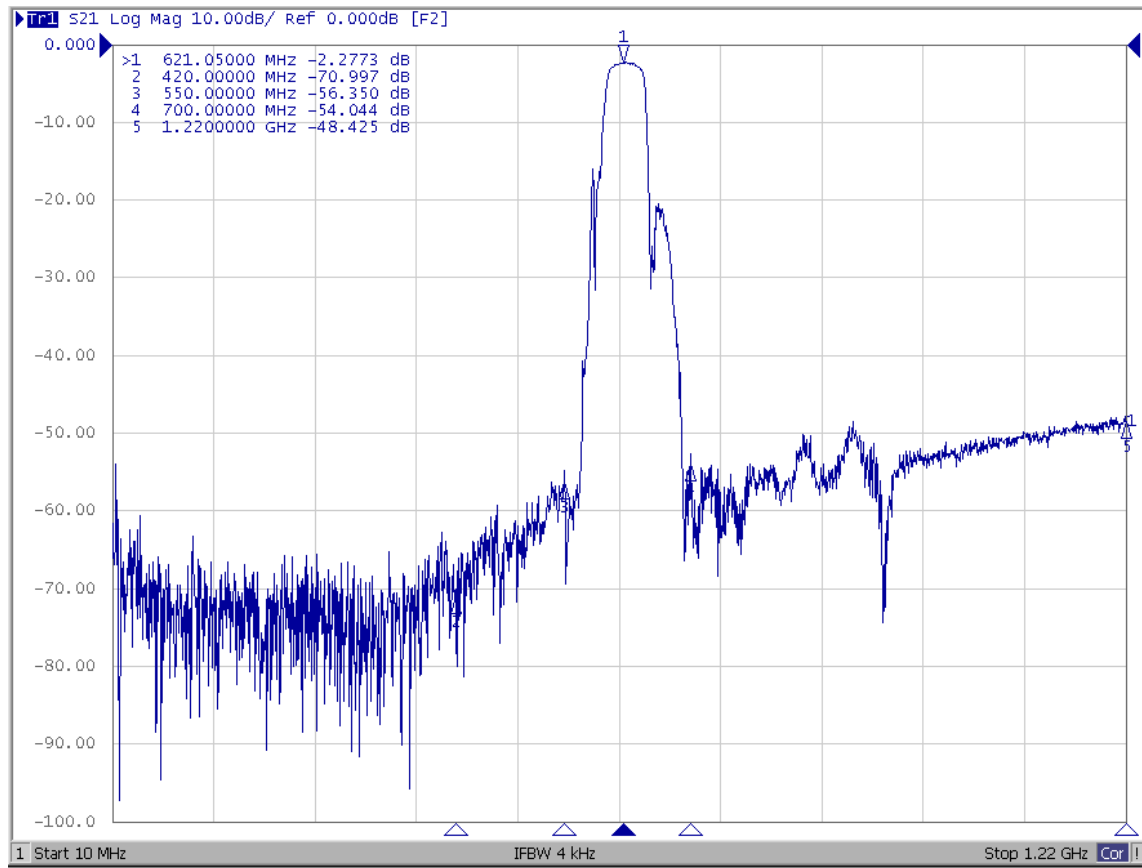
Ground: 1, 3, 4, 6

E. PCB Footprint:



F. Frequency Characteristics:

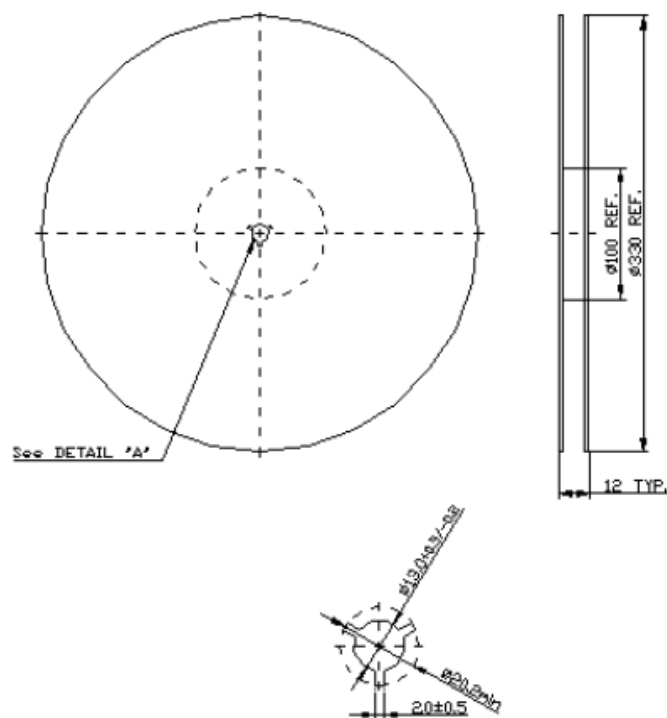




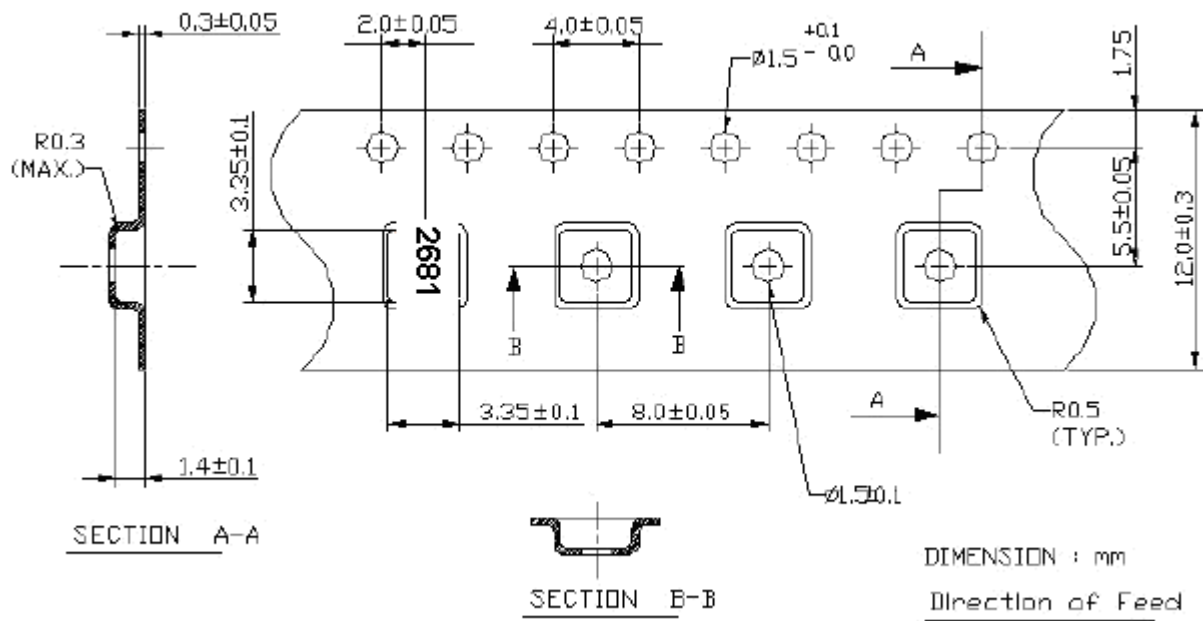
G. PACKING: (Ref. WI-75M03)

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.

