



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 506MHz SMD 3.8x3.8 mm (BW=24MHz)

TST Parts No.: TA2419A

Customer Parts No.: _____

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

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

Approval by: _____ Andy Yu *Andy Yu*

Date: _____ 2019/06/05

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 506 MHz

MODEL NO.: TA2419A

REV. NO.:3

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
Lead-free soldering

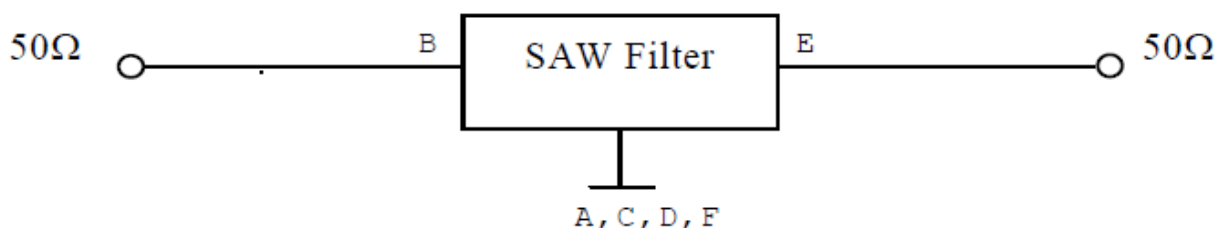
Electrostatic Sensitive Device (**ESD**)

B. ELECTRICAL CHARACTERISTICS:

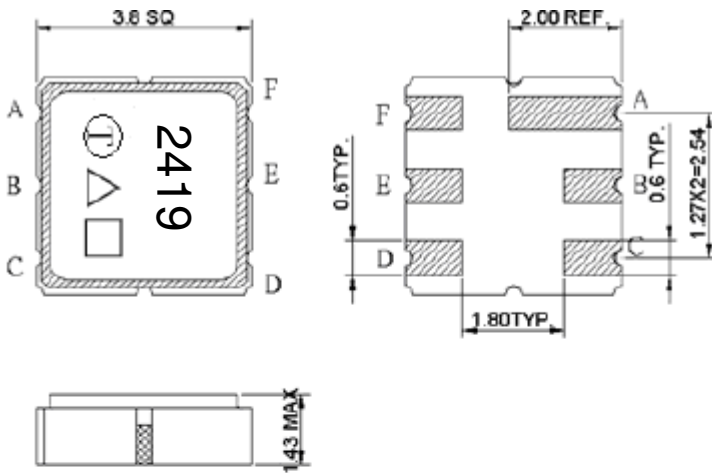
Item	Unit	min	type	Max
Center Frequency Fc	MHz		506	
Insertion Loss 494~518MHz (0°C to +50°C)	dB		2.6	3.5
Insertion Loss 494~518MHz (-40°C to +105°C)	dB		2.6	4.0
Return Loss 494~518MHz (0°C to +50°C)	dB	12	14	
Pass band 494~518MHz	MHz	24	30	
Attenuation (Reference level from 0dB)				
10~340 MHz	dB	48	50	
340~460 MHz	dB	35	36	
574~800 MHz	dB	38	40	
800~1050 MHz	dB	32	34	
Temperature Coefficient of Frequency	ppm/°C	-75 typ		

C. MEASUREMENT CIRCUIT:

HP Network analyzer



D. OUTLINE DRAWING:

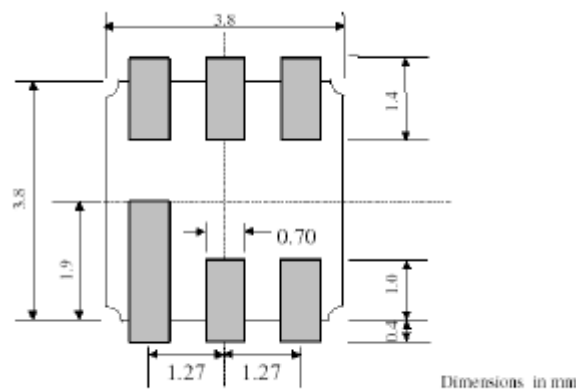


- B : Input
 - E: Output
 - A,C,D,F Ground
 - △:Year Code
 - : Date Code(Follow the table provided by planner each year.)
- Unit: mm

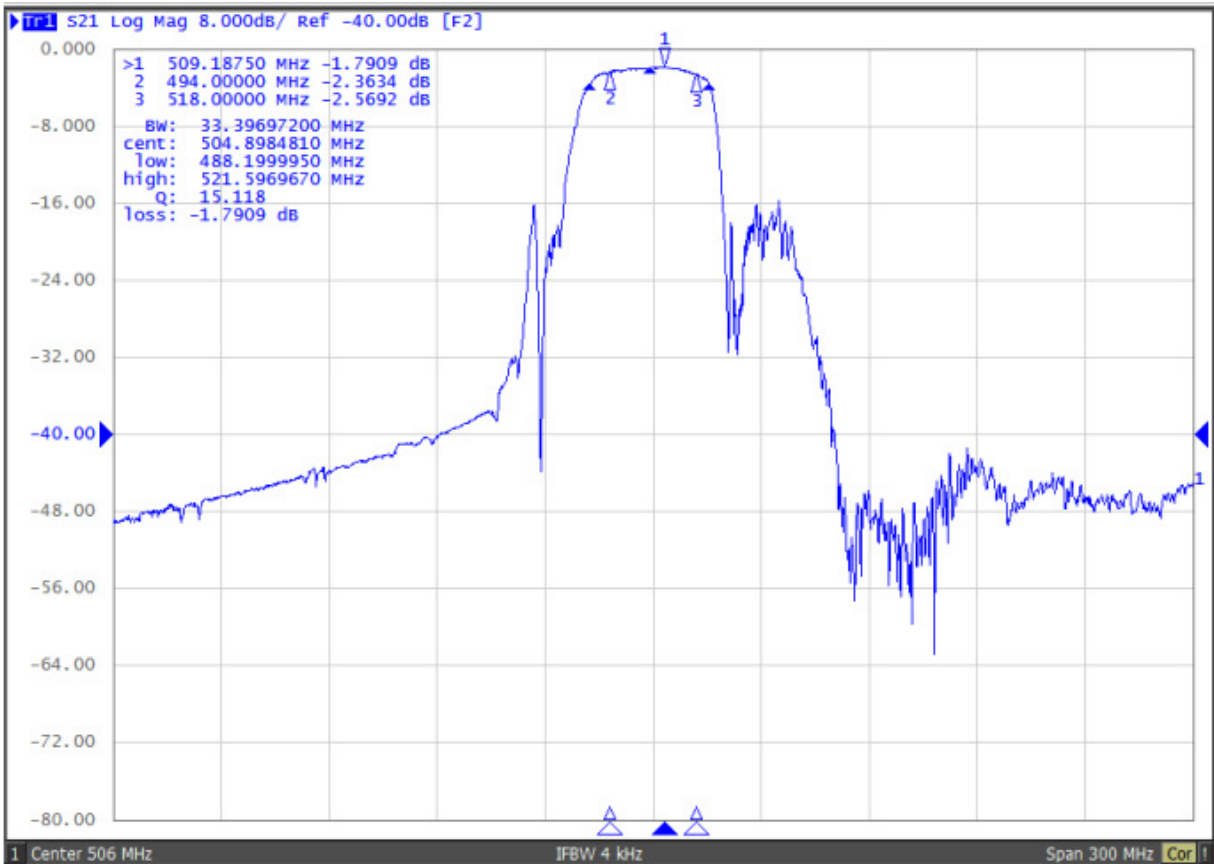
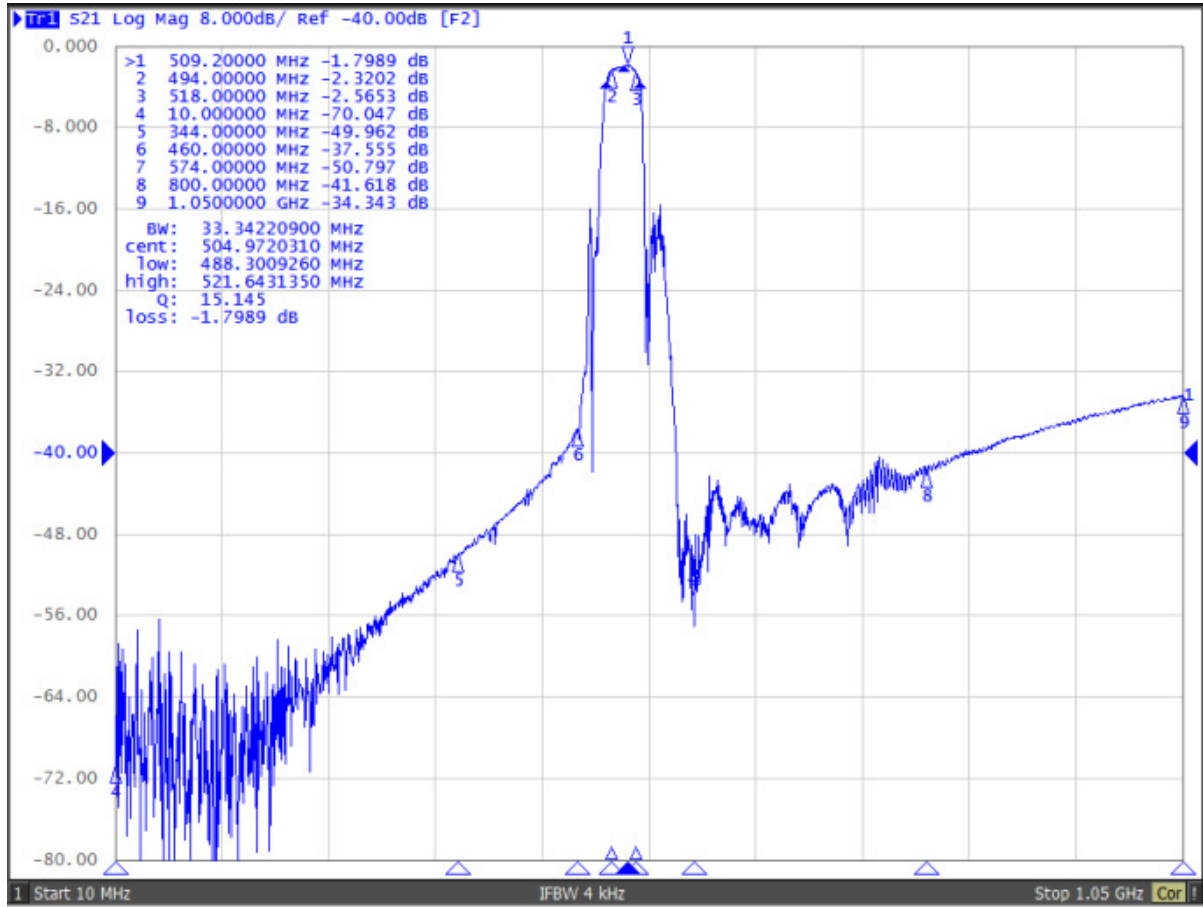
△ Product Year Code

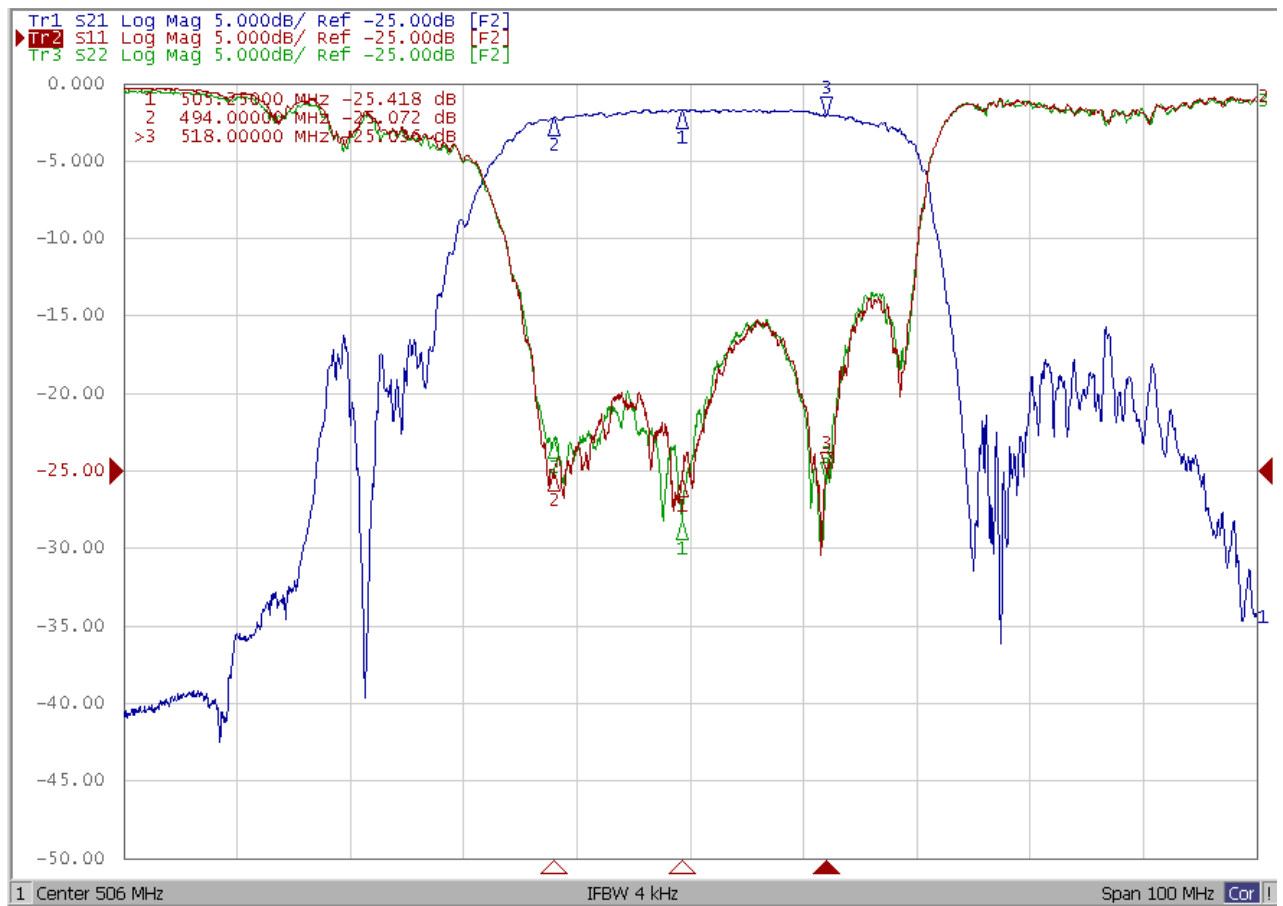
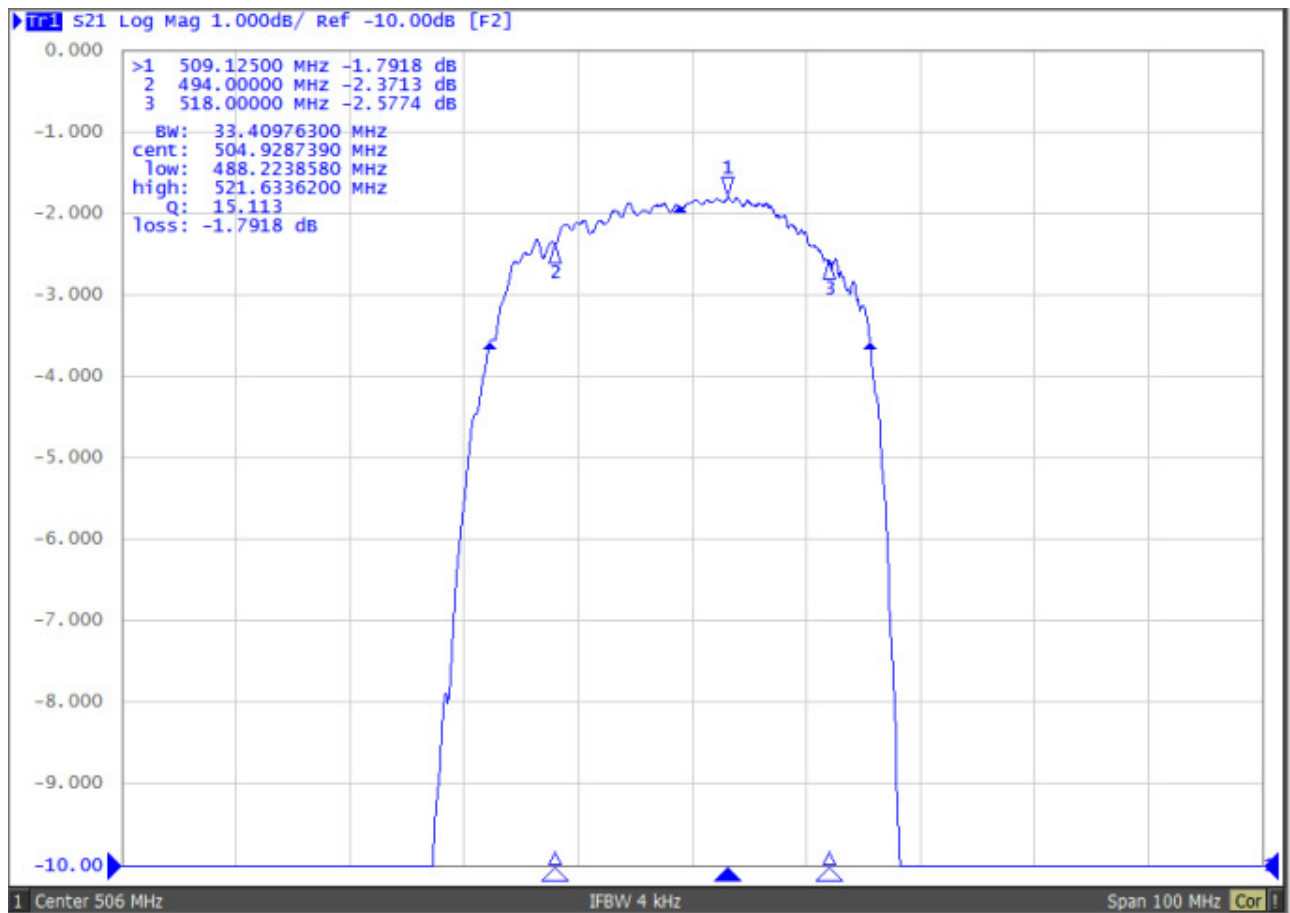
Year	2017	2018
	2019	2020
	2021	2022
	2023	2024
	Product Code	A

E. PCB Footprint:



F. Frequency Characteristics:

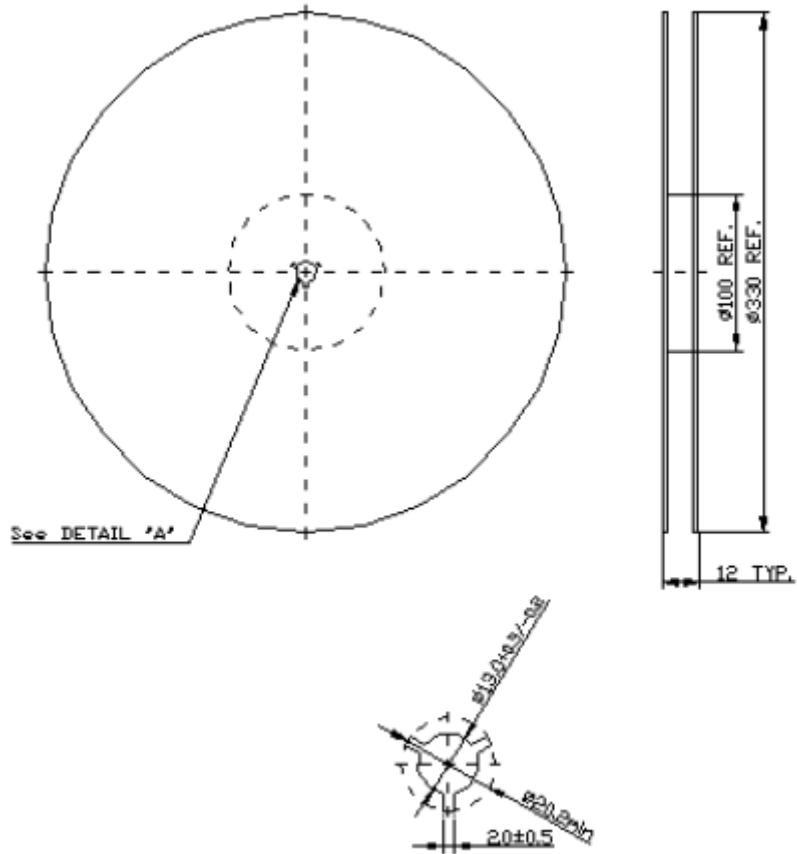




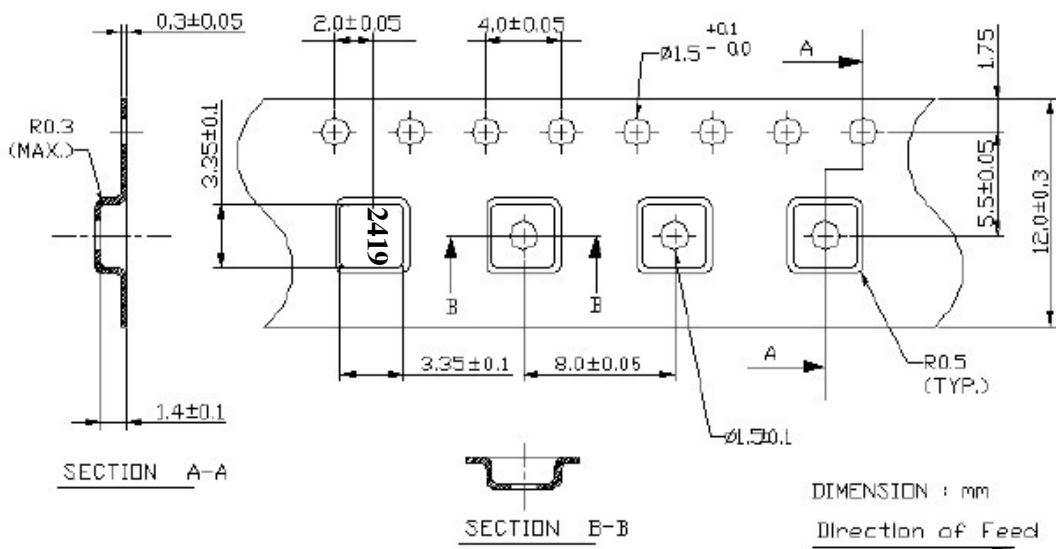
G. PACKING: (Ref. WI-75M03)

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. Recommended Reflow Profile:

1. Preheating shall be fixed at 150~180°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.

