



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 2700 MHz (BW 8MHz) SMD 3X3 mm

TST Part No.: TA2778AA3110

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Michael Yang *Michael* _____

Approval by: _____ Kazuma Lee *Kazuma Lee* _____

Date: _____ 2022/03/28 _____

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 2700MHz

MODEL NO.: TA2778AA3110

REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 13 dBm
2. DC Voltage : 5V
3. Operating Temperature: -40°C to +80°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level 1(MSL1)



Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

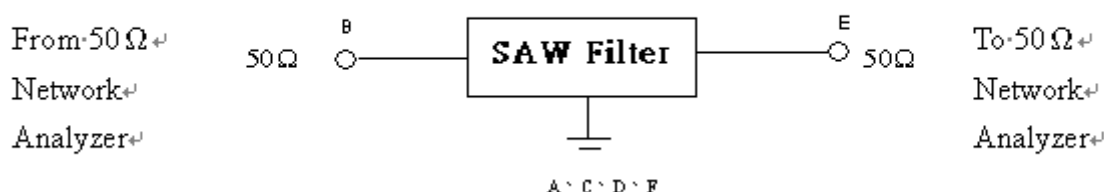
Terminating source impedance (single) : $Z_s = 50 \Omega$

Terminating load impedance (single) : $Z_L = 50 \Omega$

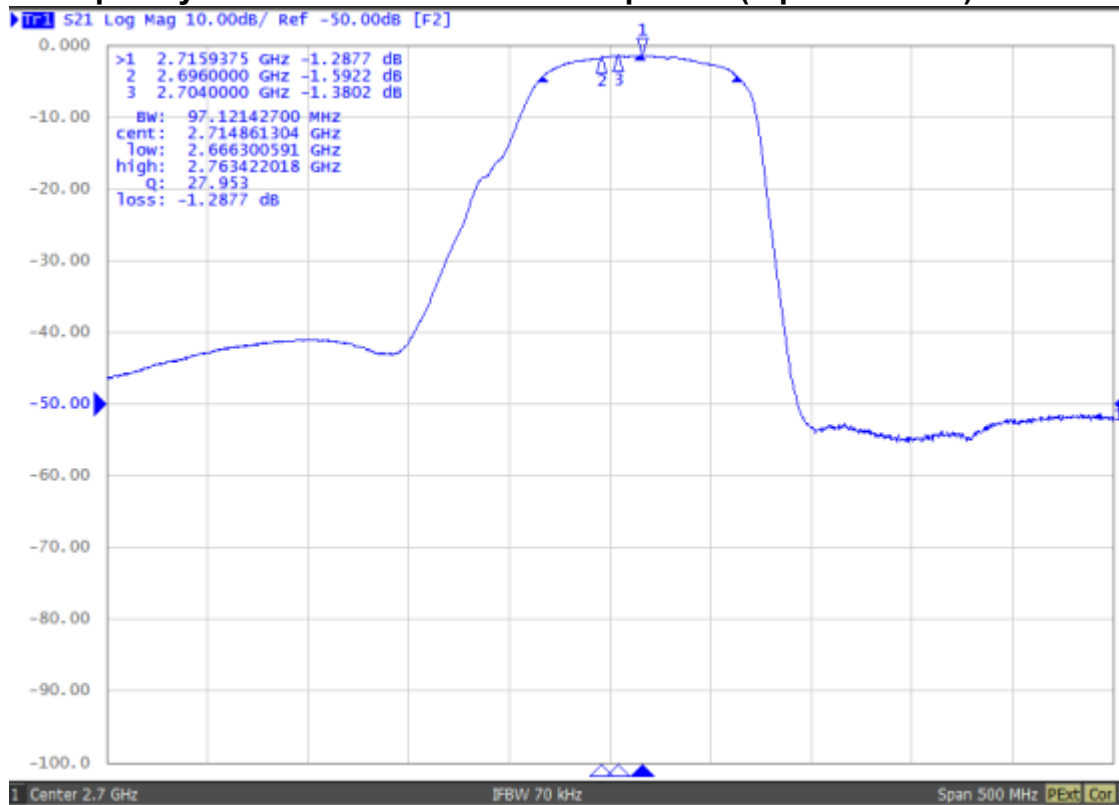
Item	Unit	Min	Type.	Max	Note
Center Frequency F_c	MHz	-	2700.	-	
Insertion Loss (2696~2704 MHz) IL	dB		2.0	3.0	
VSWR (2696~2704 MHz)			1.5	2.0	
Amplitude ripple					
(2696~2704 MHz)	dB		1.0	1.5	
Attenuation					
10 ~ 2000 MHz	dB	30	35		
2000 ~ 2500 MHz	dB	35	40		
3000 ~ 4000 MHz	dB	30	35		
4000 ~ 5000 MHz	dB	15	20		
Temperature coefficient	ppm/°C	-36			
Package size	mm	SMD 3x3			

C. TEST CIRCUIT:

Network analyzer



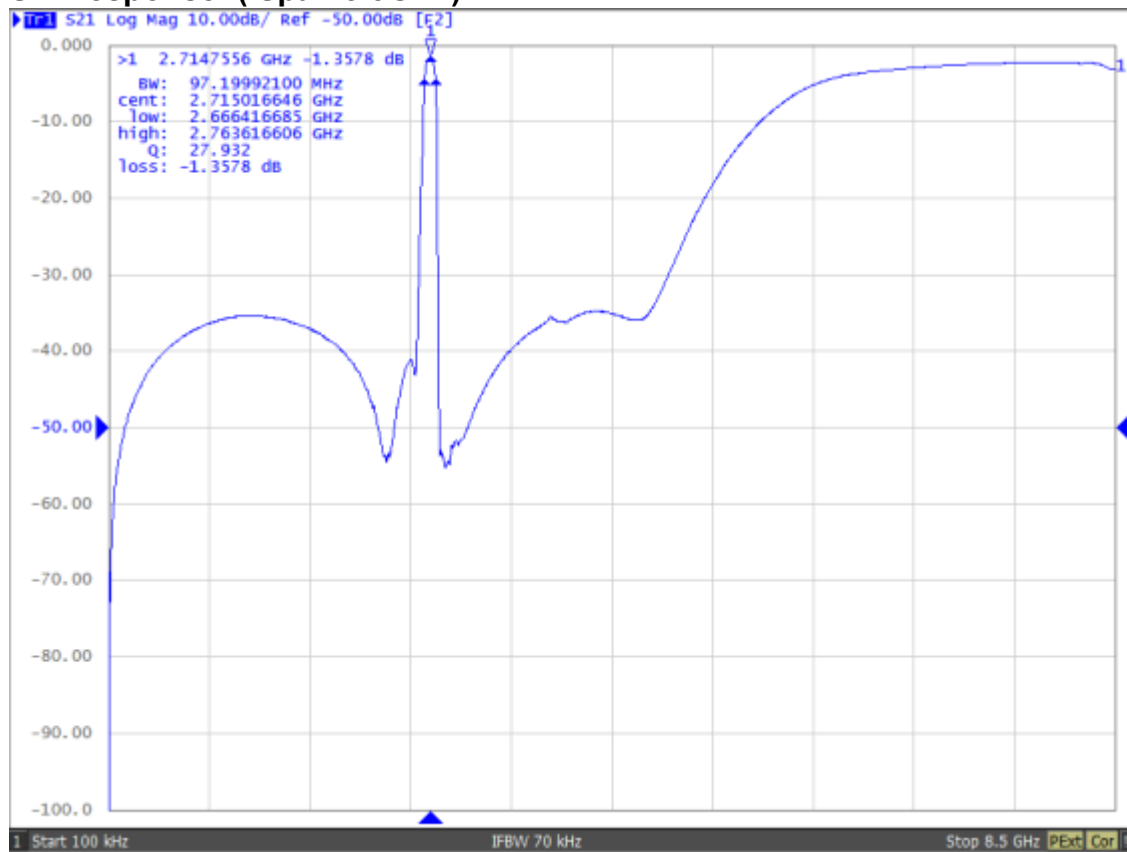
D. Frequency Characteristics: S21 response :(Span 500MHz)



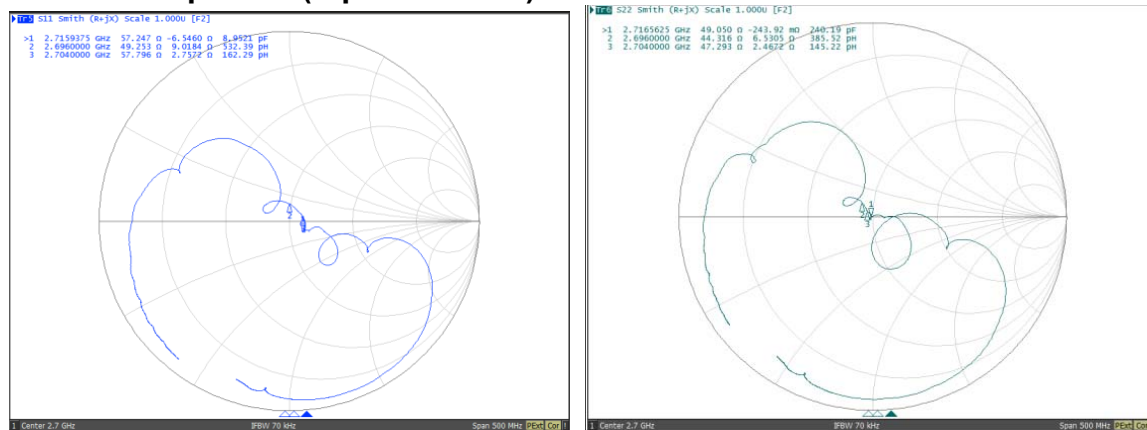
S21 response :(Span 200MHz)



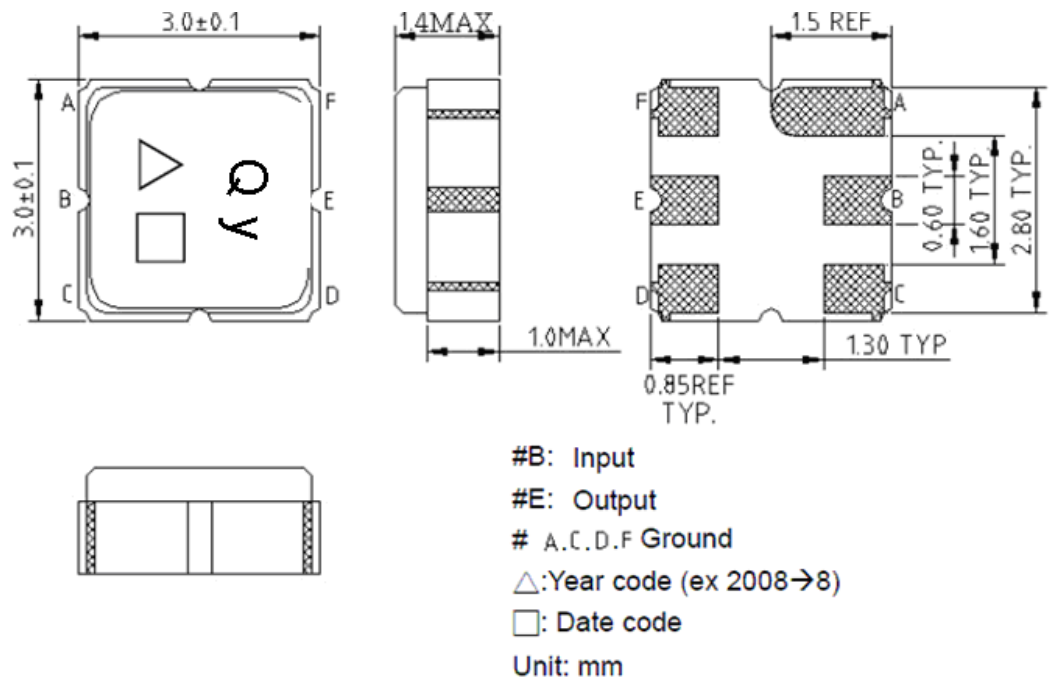
S21 response :(Span 8.5GHz)



S11/S22 response :(Span 500MHz)



E.OUTLINE DRAWING:



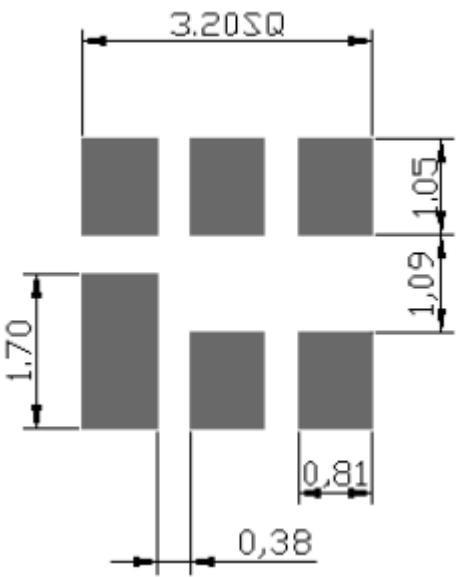
Data code : See the table

WK	01	02	...	26	27	28	...	52
Code	A	B	...	Z	a	b	...	z

$\triangle$ Year code : See the table

Year	2021	2022	2023	2024	...	2029	2030
Code	1	2	3	4	...	9	0

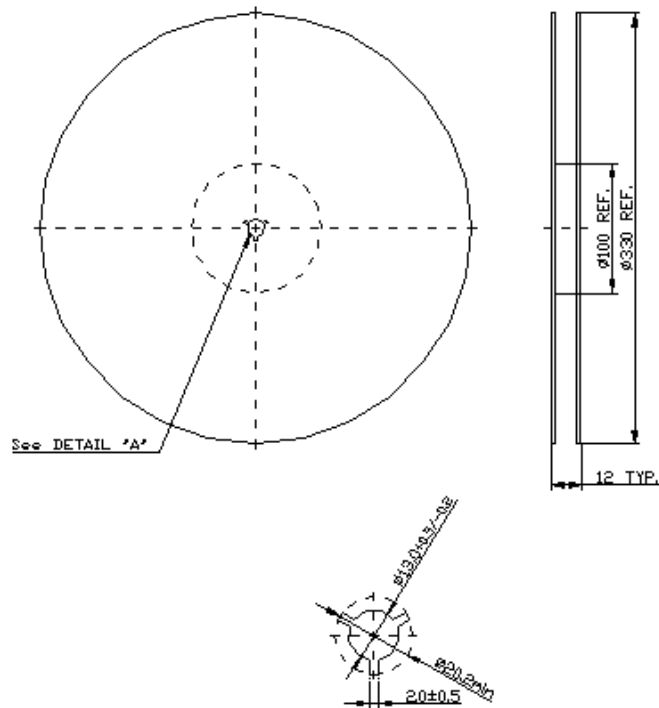
F. PCB foot print:



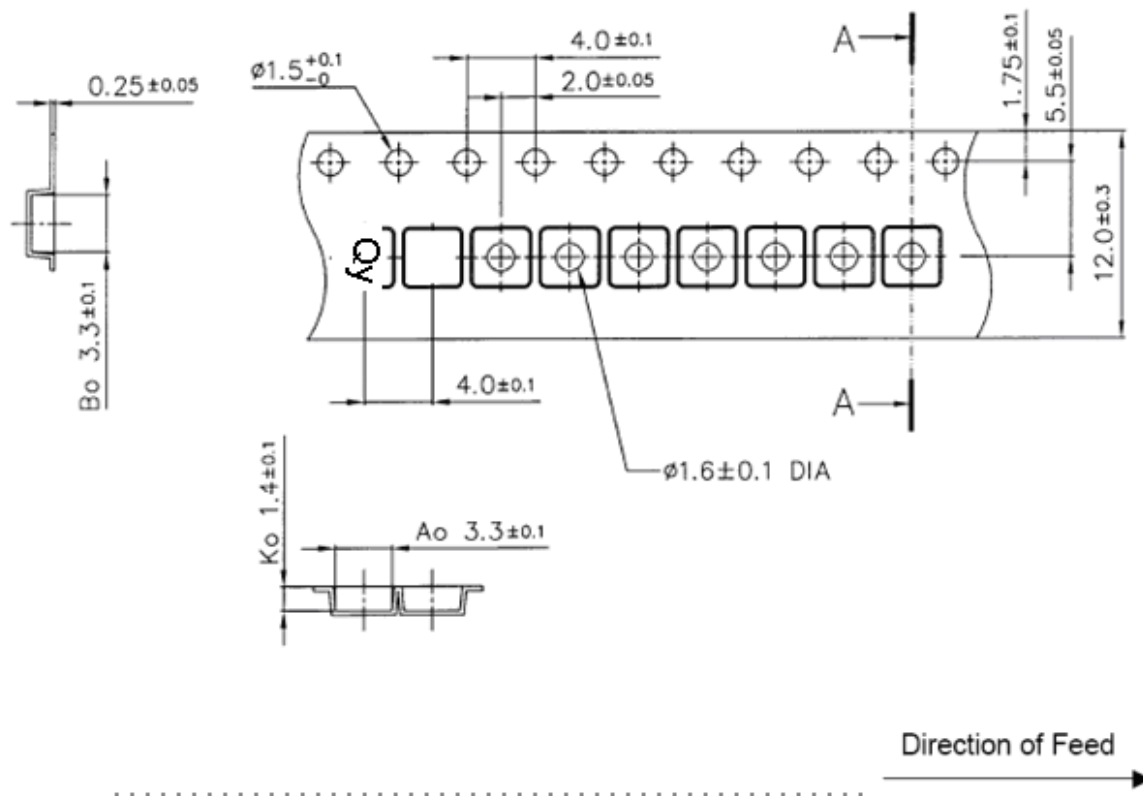
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION.



H. RECOMMENDED REFLOW PROFILE :

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

