



TAI-SAW TECHNOLOGY CO., LTD.

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Product Specifications Approval Sheet

Product Name: SAW Filter 925.2 MHz (BW 5.8MHz) SMD 3X3 mm

TST Parts No.: TA1720CA3110

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Michael Yang *Michael*

Approval by: _____ Andy Yu *Andy Yu*

Date: _____ 2021/06/29

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

SAW Filter 925.2 MHz (BW 5.8MHz) SMD 3X3 mm

MODEL NO.: TA1720CA3110

REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 18 dBm
2. DC Voltage : 6V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level 1(MSL1)

RoHS Compliant

Lead-free soldering

Electrostatic Sensitive Device (ESD)

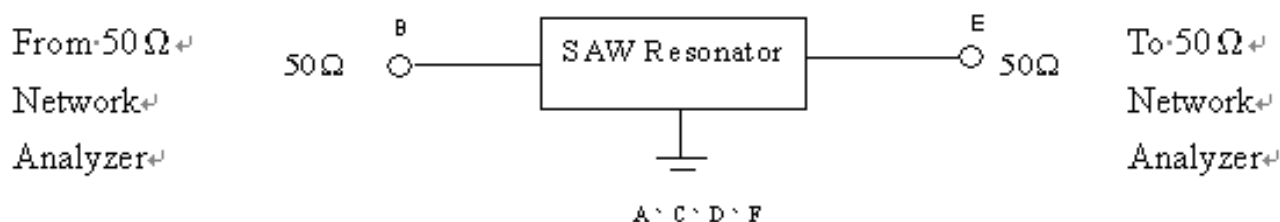
B. ELECTRICAL CHARACTERISTICS:

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

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

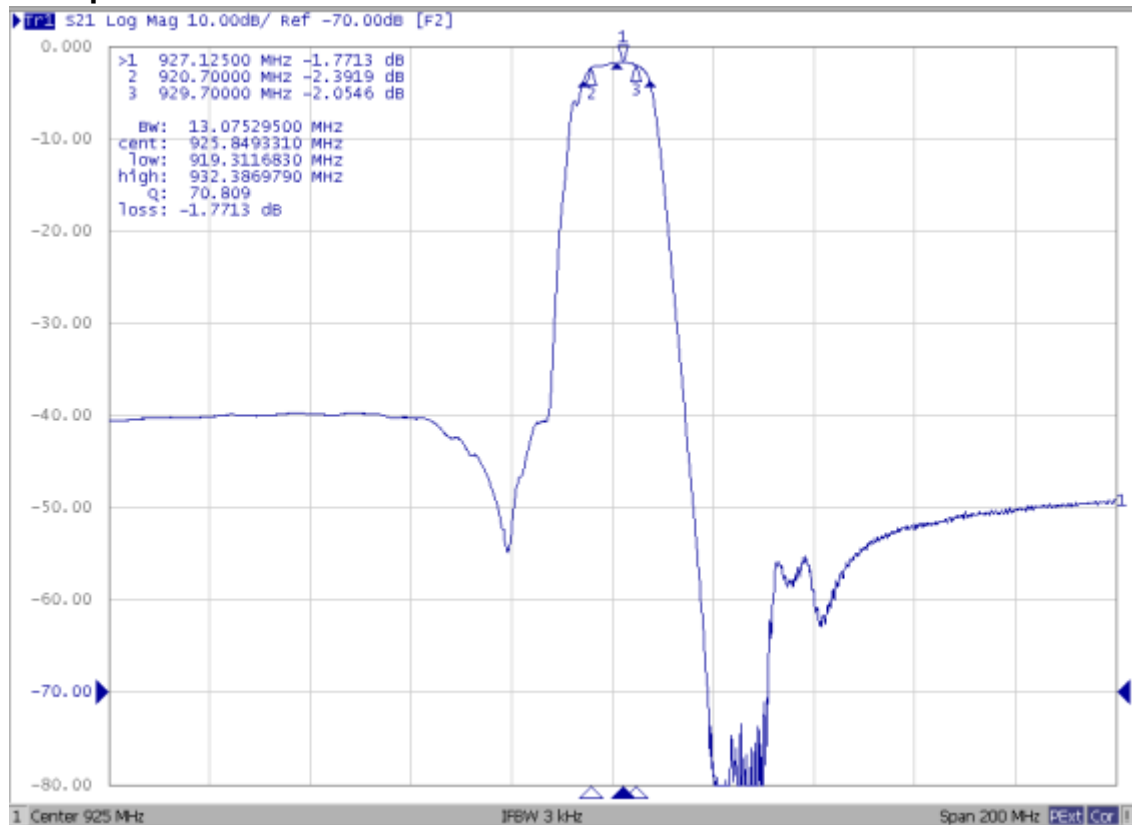
Item	Unit	Min	Type.	Max
Center Frequency	MHz	-	925.2	-
Insertion Loss (922.3~928.1 MHz)	dB	-	2.5	3.5
Amplitude Ripple (922.3~928.1 MHz)	dB	-	0.3	1.5
VSWR Input (922.3~928.1 MHz)	-	-	1.3	2.0
VSWR Output (922.3~928.1 MHz)	-	-	1.3	2.0
Attenuation				
10 ~ 815 MHz	dB	38	42	-
815 ~ 875 MHz	dB	38	40	-
875 ~ 905 MHz	dB	35	42	-
905 ~ 915 MHz	dB	8	19	-
945 ~ 950 MHz	dB	35	70	-
950 ~ 1150 MHz	dB	48	51	-
1150 ~ 1856 MHz	dB	32	37	-
1856 ~ 2500 MHz	dB	32	38	-
Package size	mm	SMD 3x3		

C. TEST CIRCUIT:

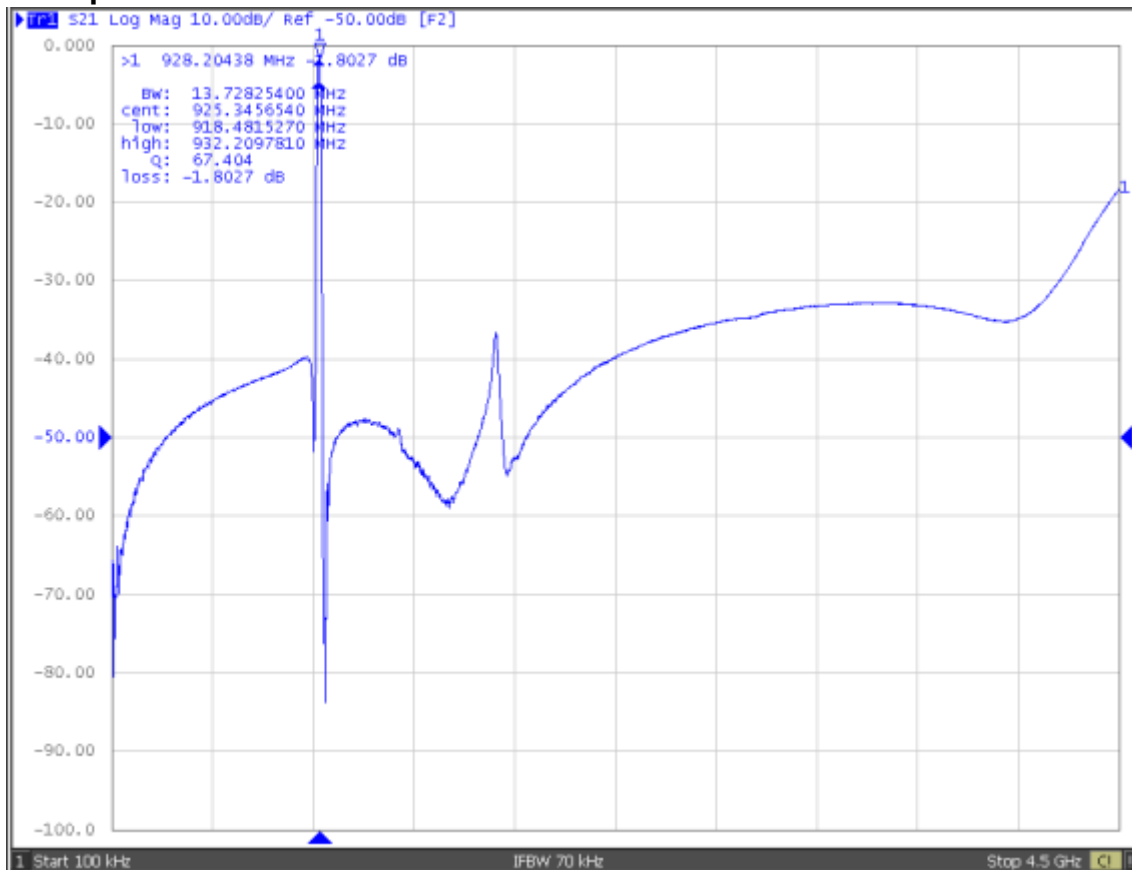


D. Frequency Characteristics:

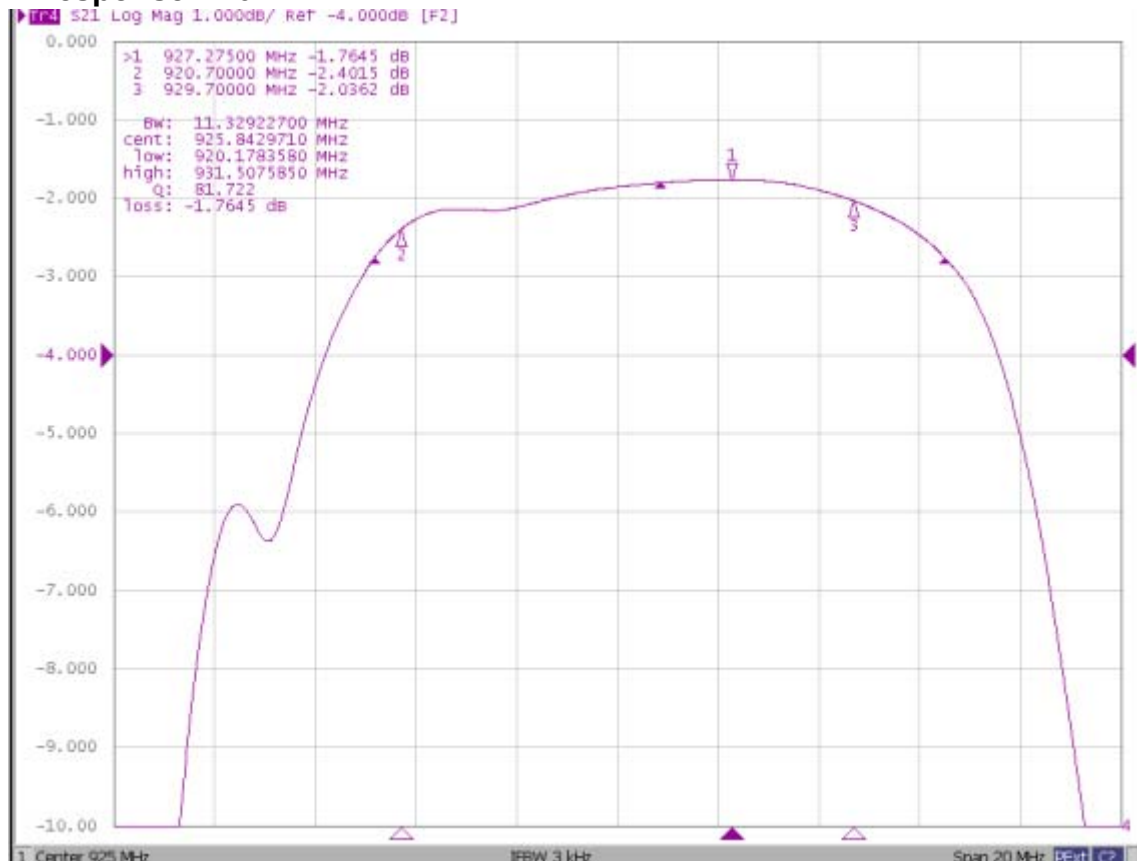
S21 response: 200MHz



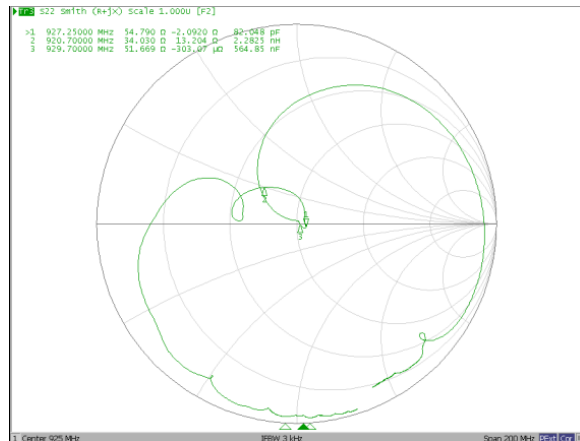
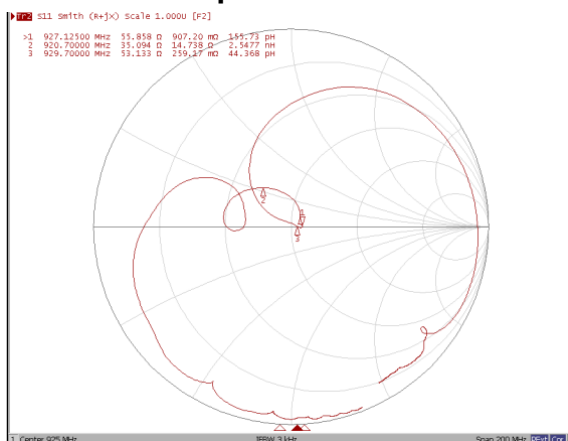
S21 response : .1 ~ 4500MHz



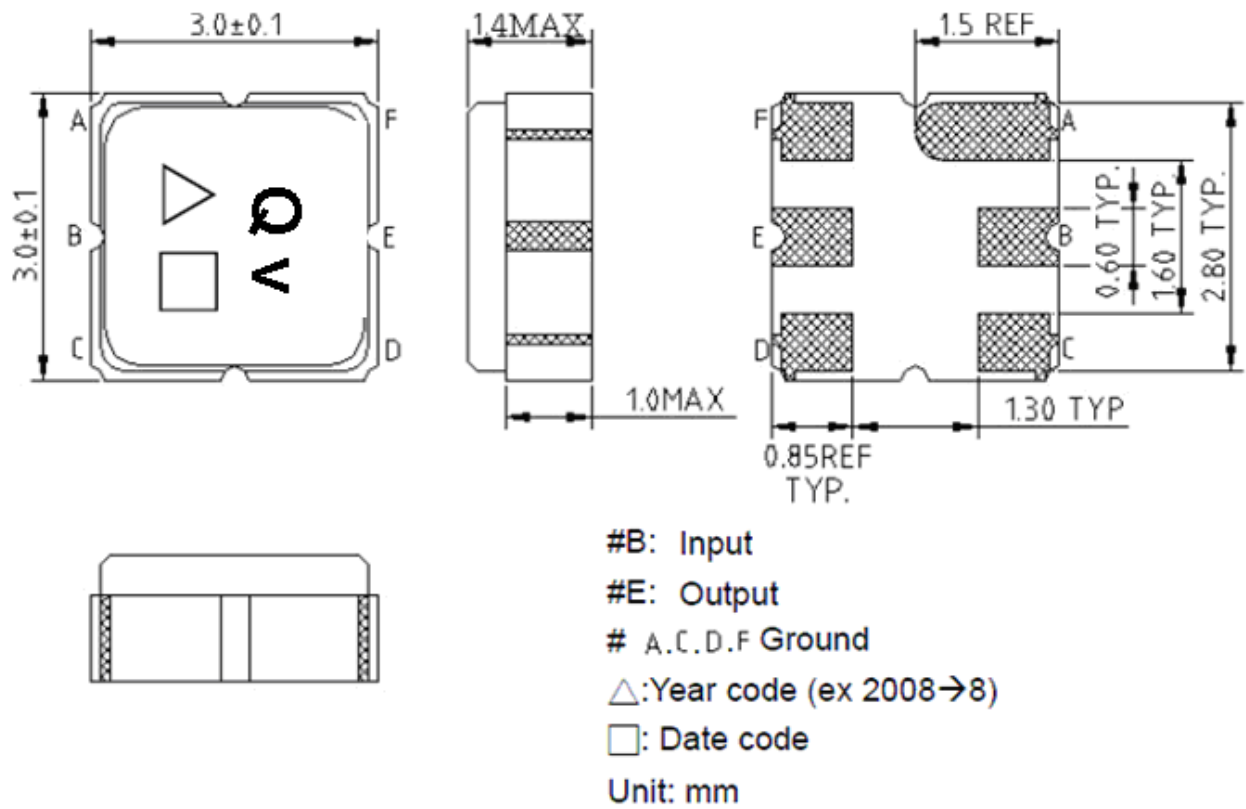
S21 response : 40 MHz



S11/S22 response: 200MHz



E.OUTLINE DRAWING:



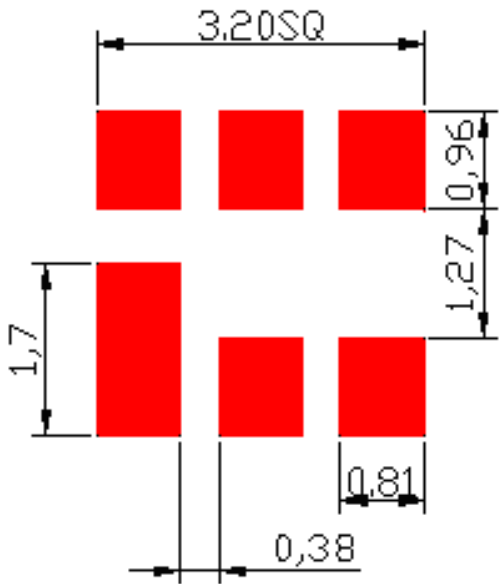
□ Date code : See the table

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

△ Year code : See the table

Year	2011	...	2019	2020	2021	2022	2023
Code	1	...	9	0	1	2	3

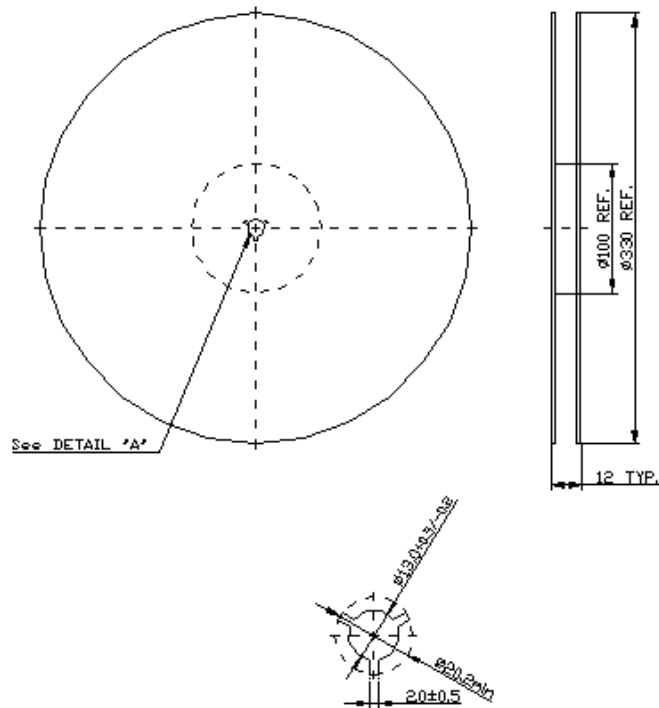
F. PACKING:



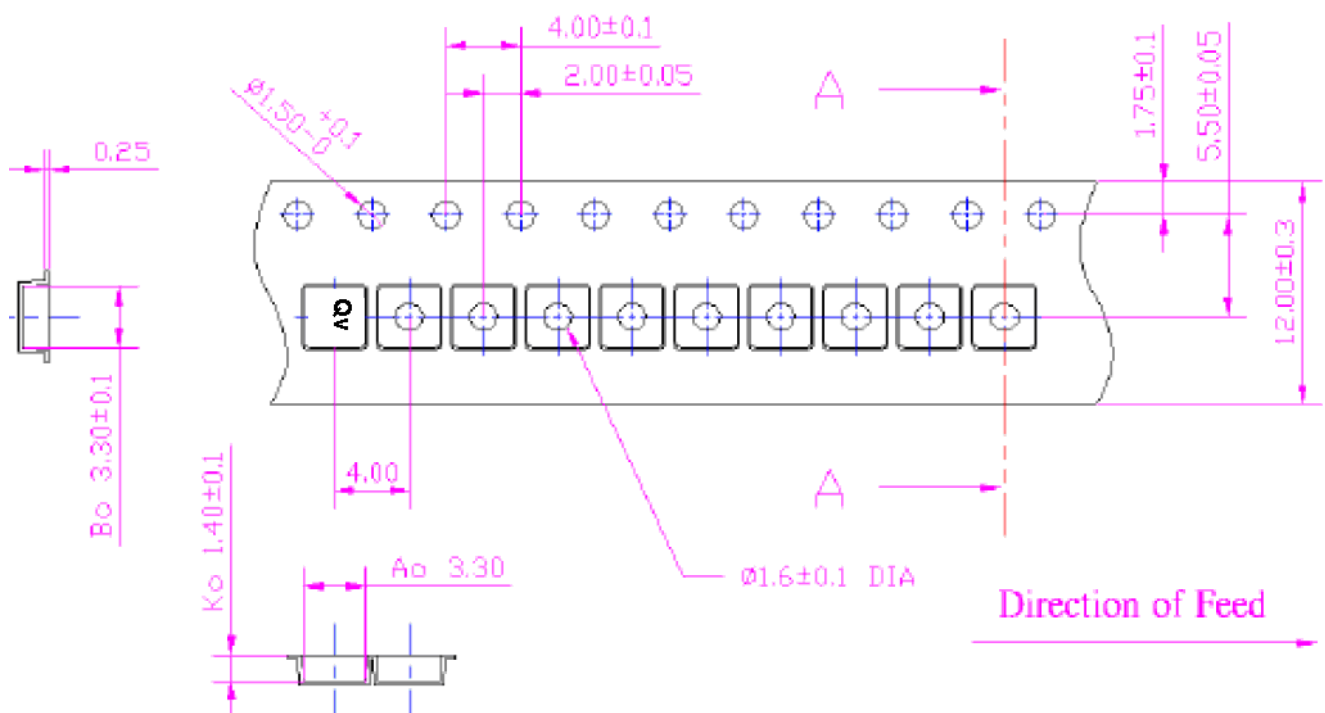
G. PACKING:

1. REEL DIMENSION

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



3. 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.

