



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Product Specifications Approval Sheet

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

TST Parts No.: TA1720B

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Sam Lin 

Approval by: _____ Bob Chau 

Date: _____ 2017/03/06

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 925.2MHz

MODEL NO.:TA1720B

REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 16 dBm
2. DC Voltage : 6V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C
5. Electrostatic Discharge (ESD): HBM 200V, MM 100V

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

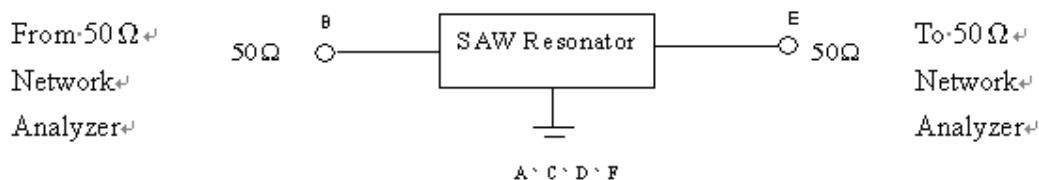
B. ELECTRICAL CHARACTERISTICS:

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

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

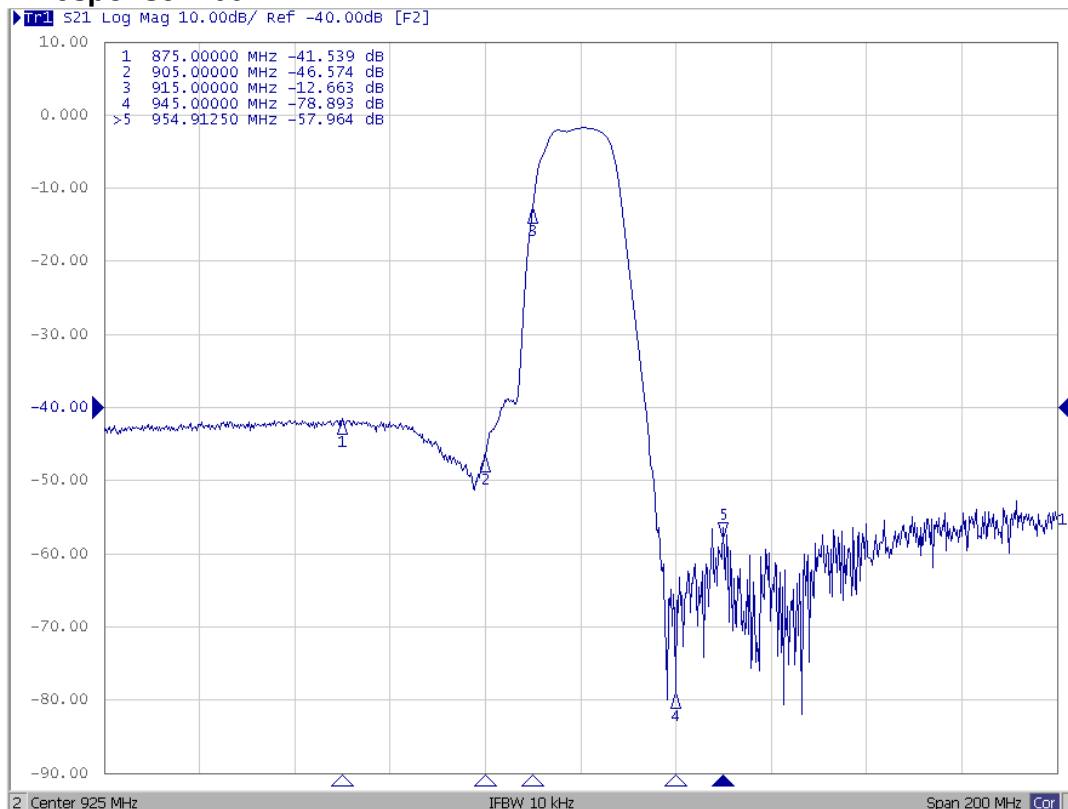
Item	Unit	Min	Type.	Max
Center Frequency	MHz	-	925.2	-
Insertion Loss (922.3~928.1 MHz)	dB	-	2.5	3.5
Amplitude ripple (922.3~928.1 MHz)	dB	-	0.5	1.5
VSWR Input (922.3~928.1 MHz)	-	-	1.3	2.0
VSWR Output (922.3~928.1 MHz)	-	-	1.3	2.0
Attenuation				
10 ~ 815 MHz	dB	40	43	-
815 ~ 875 MHz	dB	40	42	-
875 ~ 905 MHz	dB	35	42	-
905 ~ 915 MHz	dB	8	12	-
945 ~ 950 MHz	dB	35	55	-
950 ~ 1150 MHz	dB	50	55	-
1150 ~ 1856 MHz	dB	32	34	-
1856 ~ 2500 MHz	dB	32	35	-
Package size	mm	SMD 3x3		

C. TEST CIRCUIT:

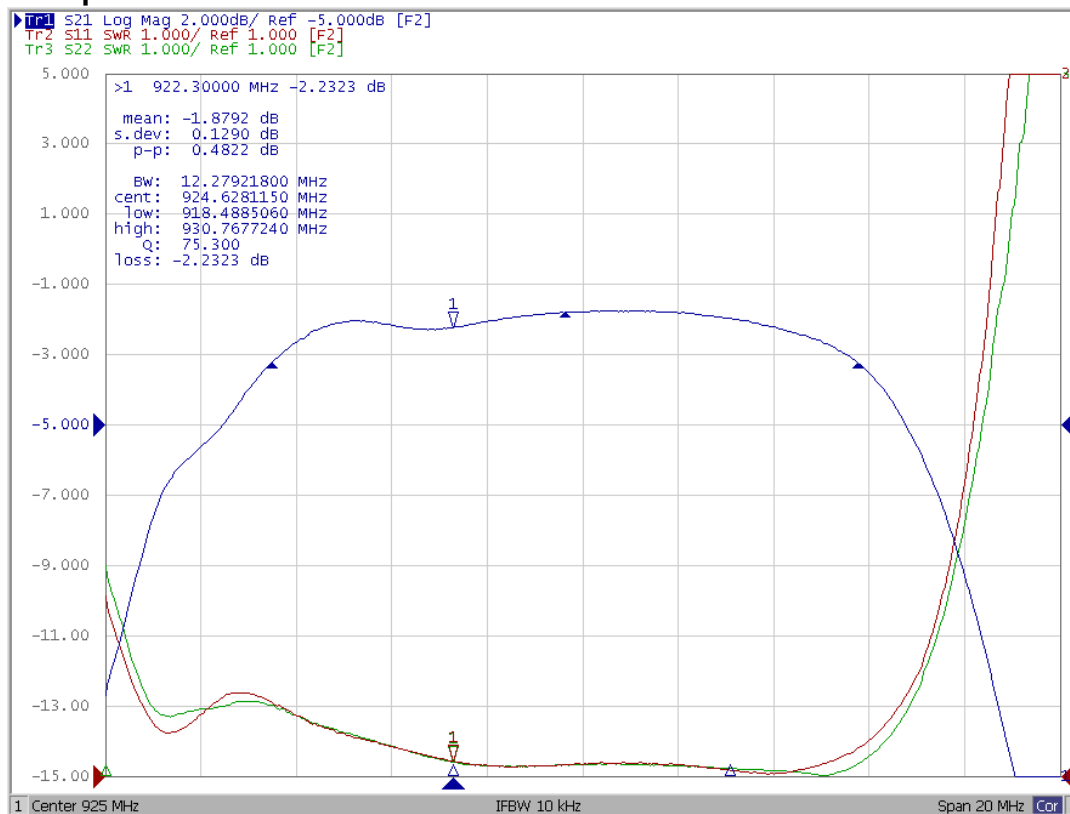


D. Frequency Characteristics:

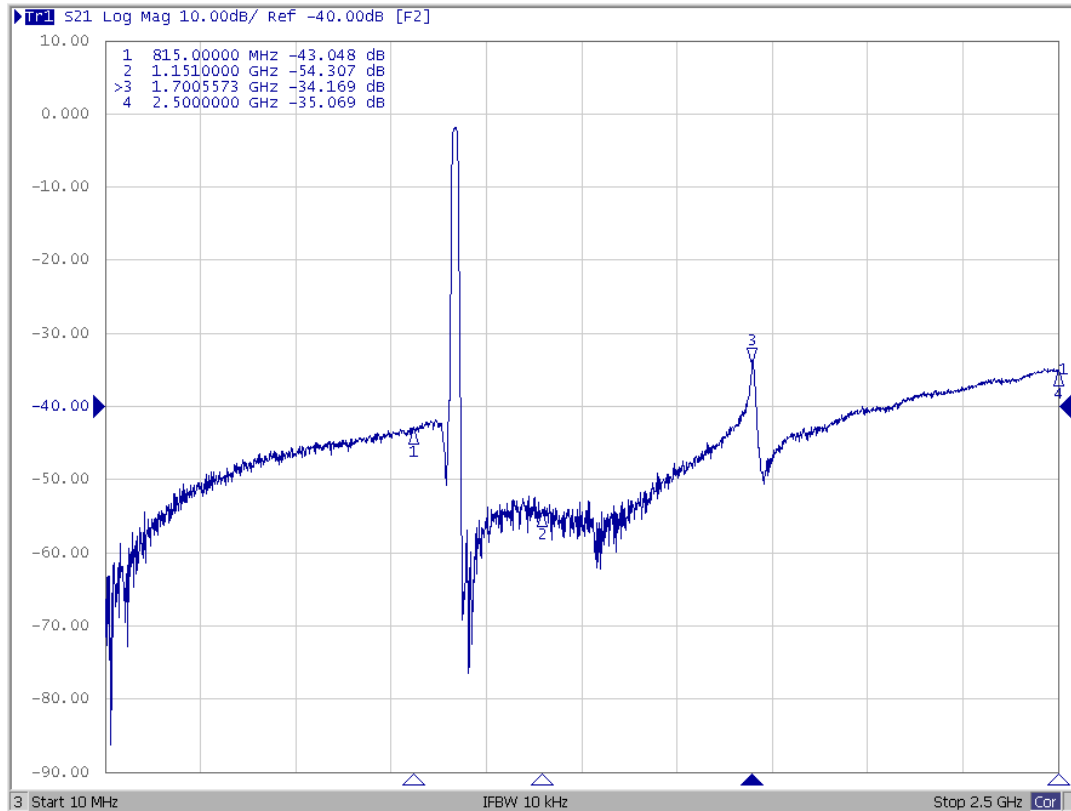
S21 response: 200MHz



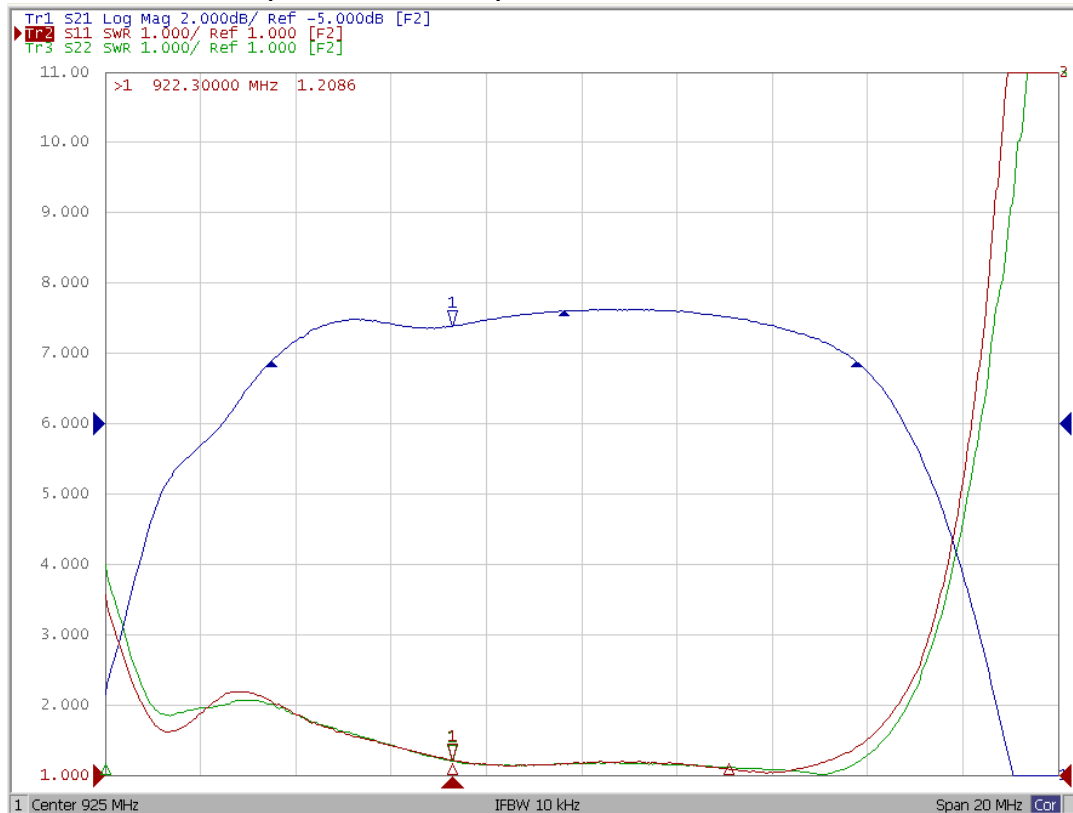
S21 response: 20MHz



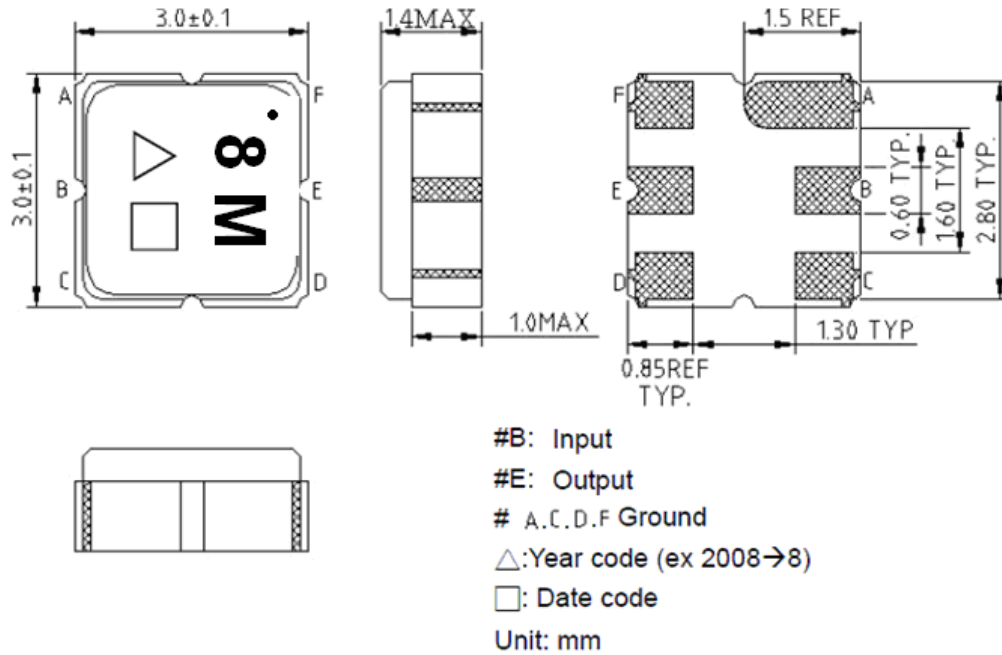
S21 response : .1 ~ 2500MHz



Reflection Function (VSWR1/VSWR2)



E.OUTLINE DRAWING:



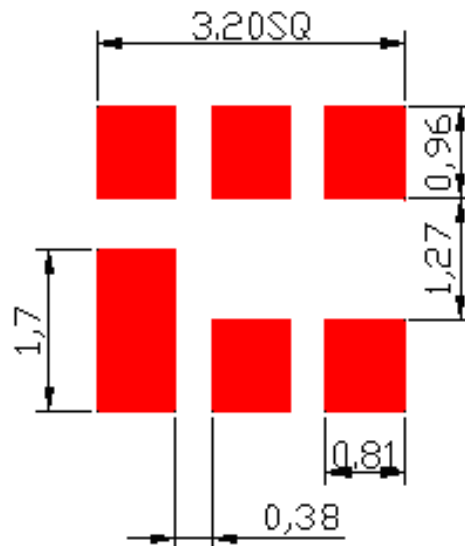
□ Date code : See the table

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

△ Year code : See the table

Year	2008	2009	2010	2011	...	2019	2020
Code	8	9	0	1	...	9	0

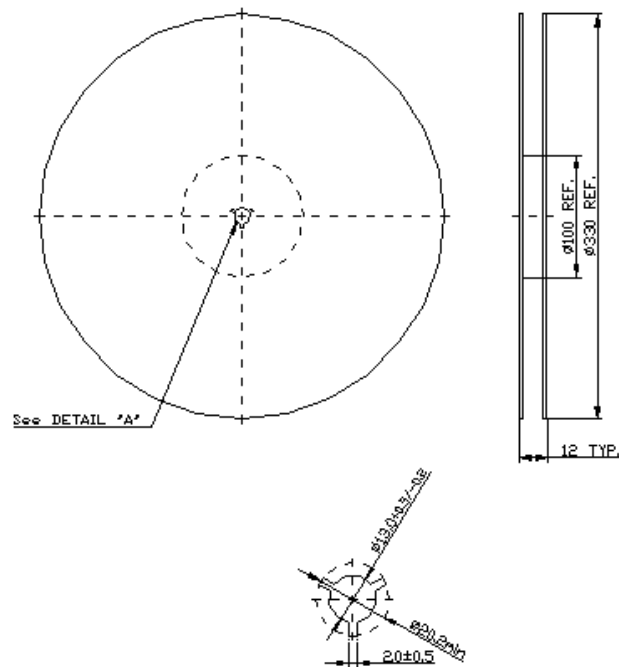
F. PACKING:



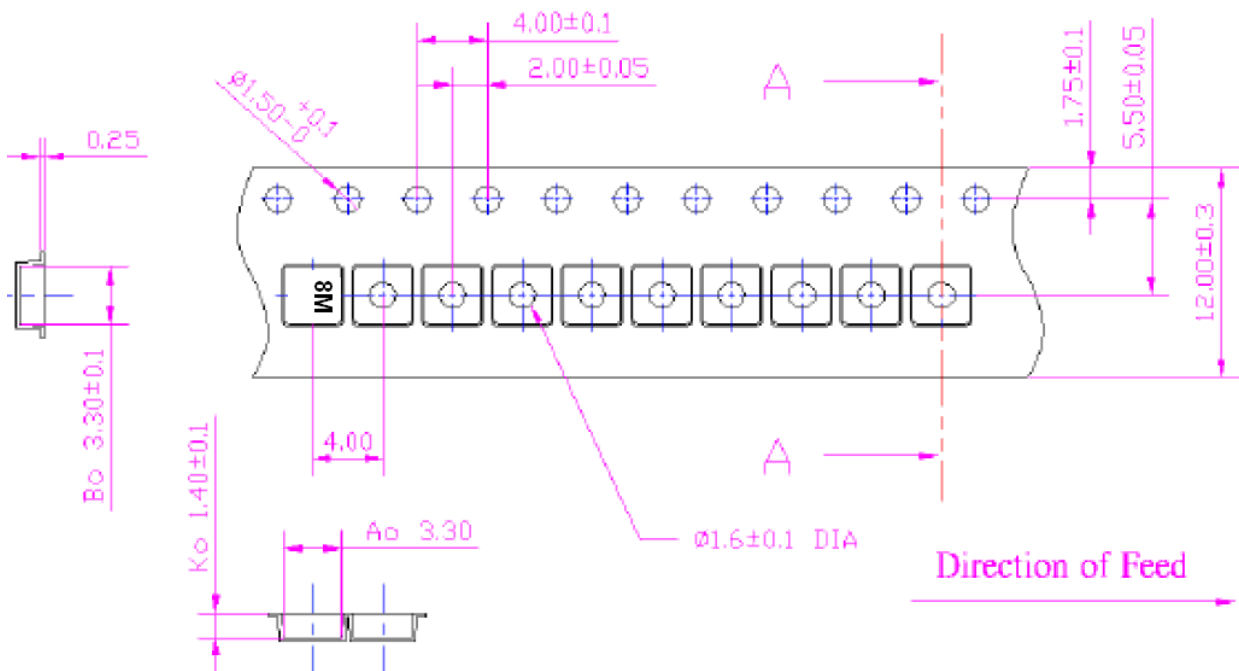
G. PACKING:

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.

