



TAI-SAW TECHNOLOGY CO., LTD.

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Product Specifications Approval Sheet

Product Description: 85.38MHz 1.0MHzBW SMD 9.1mm x 4.8mm SAW IF Filter

TST Parts No.: TB0526AA9017

Customer Parts No.: _____

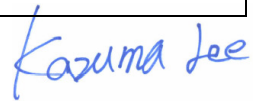
Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Kazuma Lee 

Approval by: _____ Andy Yu 

Date: _____ 12 / 01 / 2020

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.
- 4.

IF SAW Filter 85.38MHz (SMD 9.1x4.8mm²)

MODEL NO.: TB0526AA9017

Rev No.1

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. Operating Temperature: -30 °C to 80 °C
3. Storage Temperature: -40 °C to 85 °C
4. Moisture Sensitivity Level: Level1 (MSL1)

RoHS Compliant

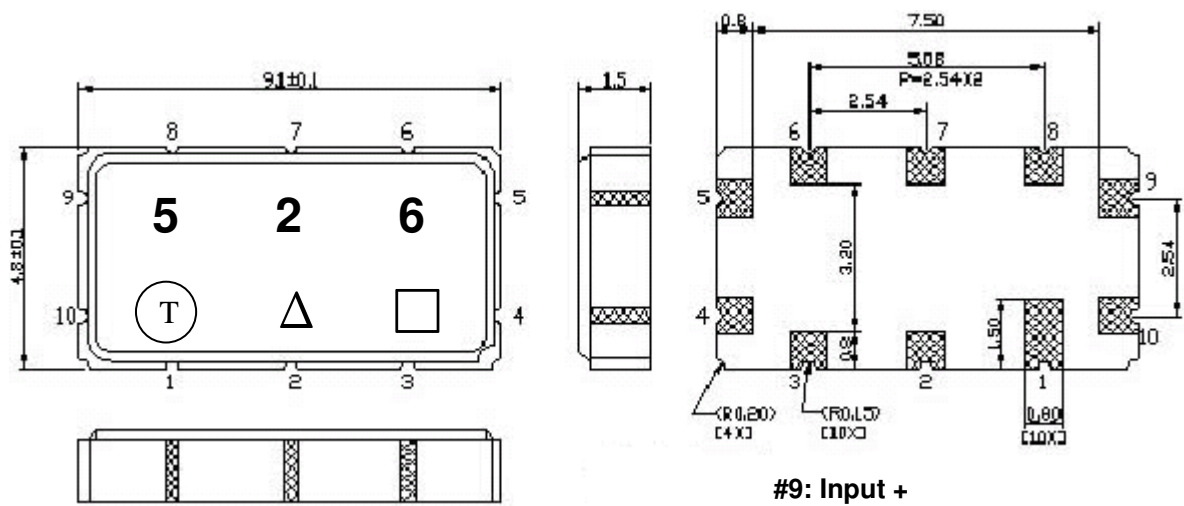
Lead-free soldering

Electrostatic Sensitive Device

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center frequency, F_c	MHz	-	85.38	-	-
Insertion Loss at F _o , IL	dB	-	10.4	13.0	-
Passband Ripple in F_c±300 KHz ,	dB	-	0.5	1.0	-
Attenuation:(Reference level from F _c)					
F _c -9.0 to F _c -1.7 MHz	dBc	25	29	-	-
F _c -1.7 to F _c -0.9 MHz	dBc	25	32	-	-
F _c +0.9 to F _c +1.7 MHz	dBc	25	32	-	-
F _c +1.7 to F _c +9.0 MHz	dBc	25	31	-	-
F _c -1.7 MHz	dBc	35	44	-	-
F _c -0.9 MHz	dBc	34	50	-	-
F _c +0.9 MHz	dBc	34	39	-	-
F _c +1.7 MHz	dBc	33	42	-	-

C.OUTLINE DRAWING:

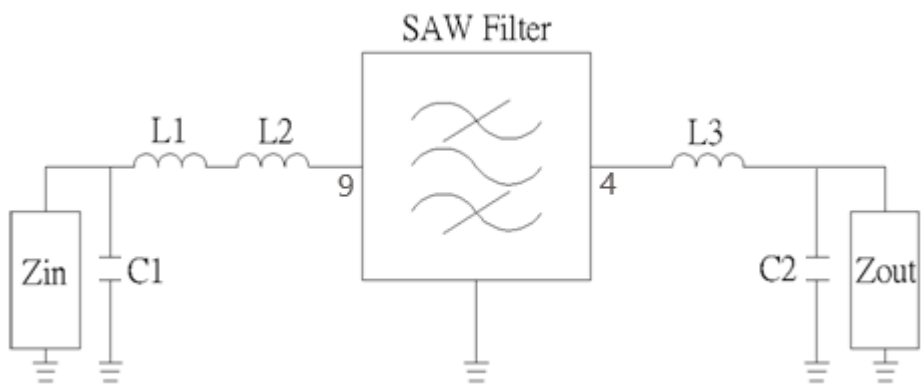


- #9: Input +
- #10: Input - or Ground
- #4: Output +
- #5: Output - or Ground
- Others: Ground

Year	2017 2021	2018 2022	2019 2023	2020 2024
Product Code	B	b	<u>B</u>	<u>b</u>

D. MEASUREMENT CIRCUIT:

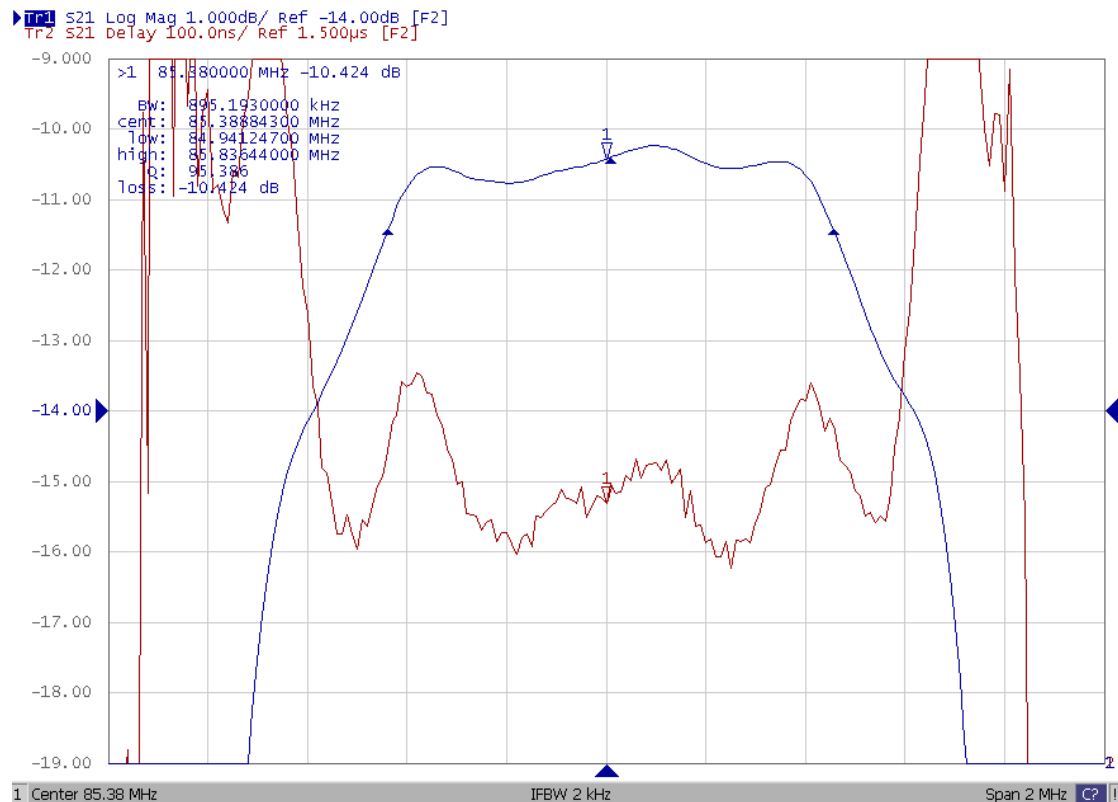
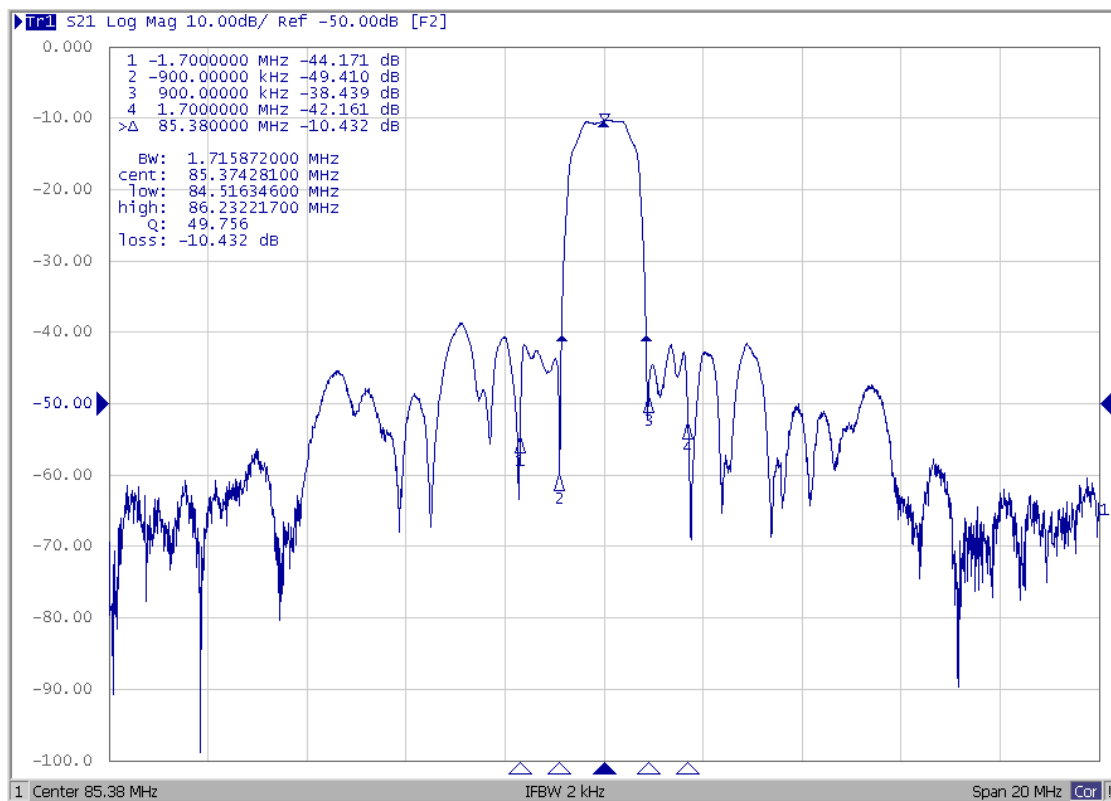
50 Ohm Test circuit

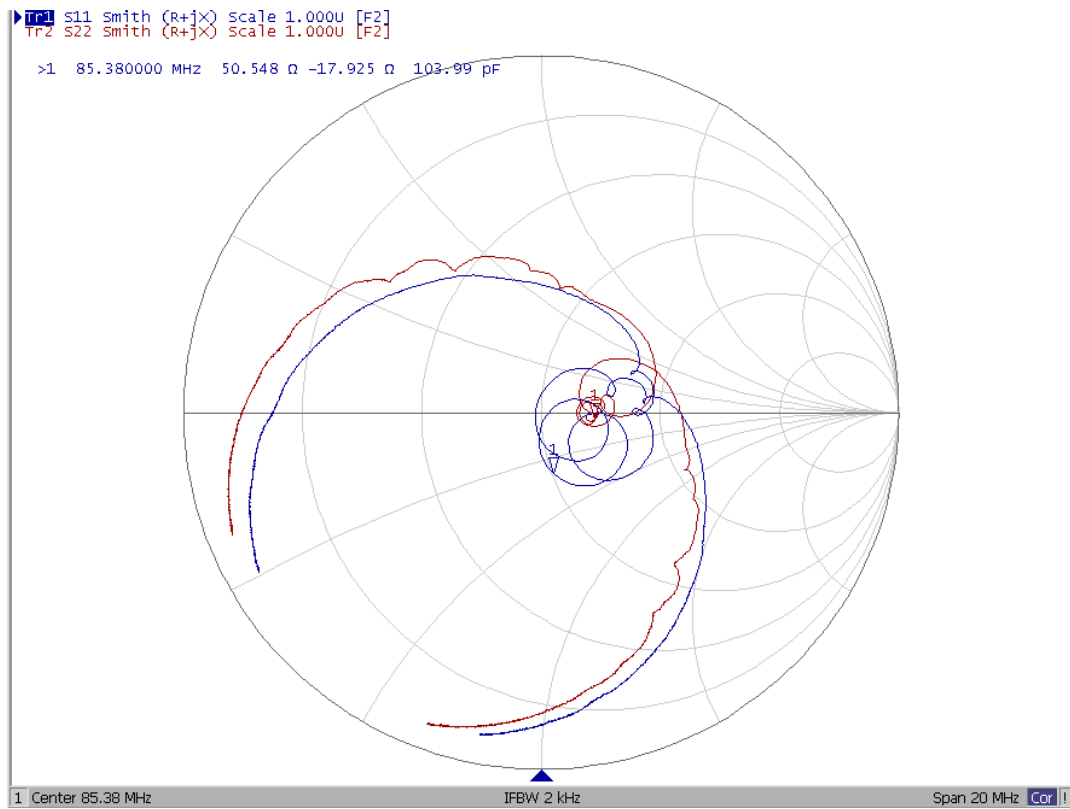


Input:
L1 = 390nH, L2= 33nH.
C1= 56pF.
Output:
L3 = 330nH.
C2= 68pF.

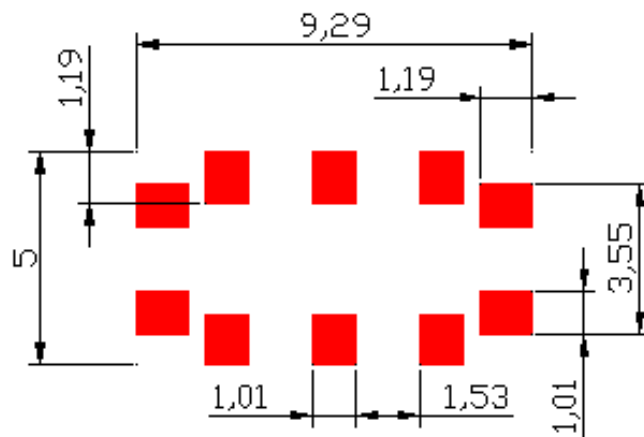
Note: 1. the matching components are based on TST's PCB.

E. FREQUENCY CHARACTERISTICS:



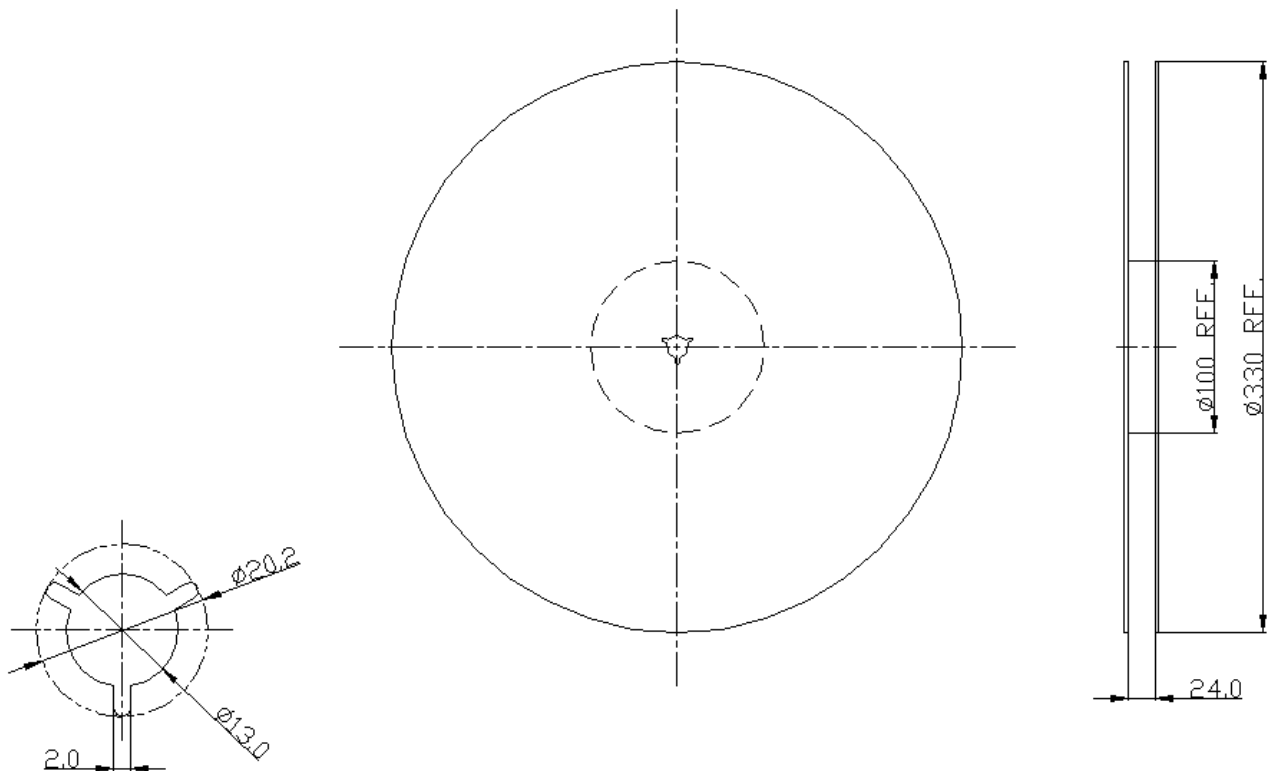


F. FOOTPRINT.

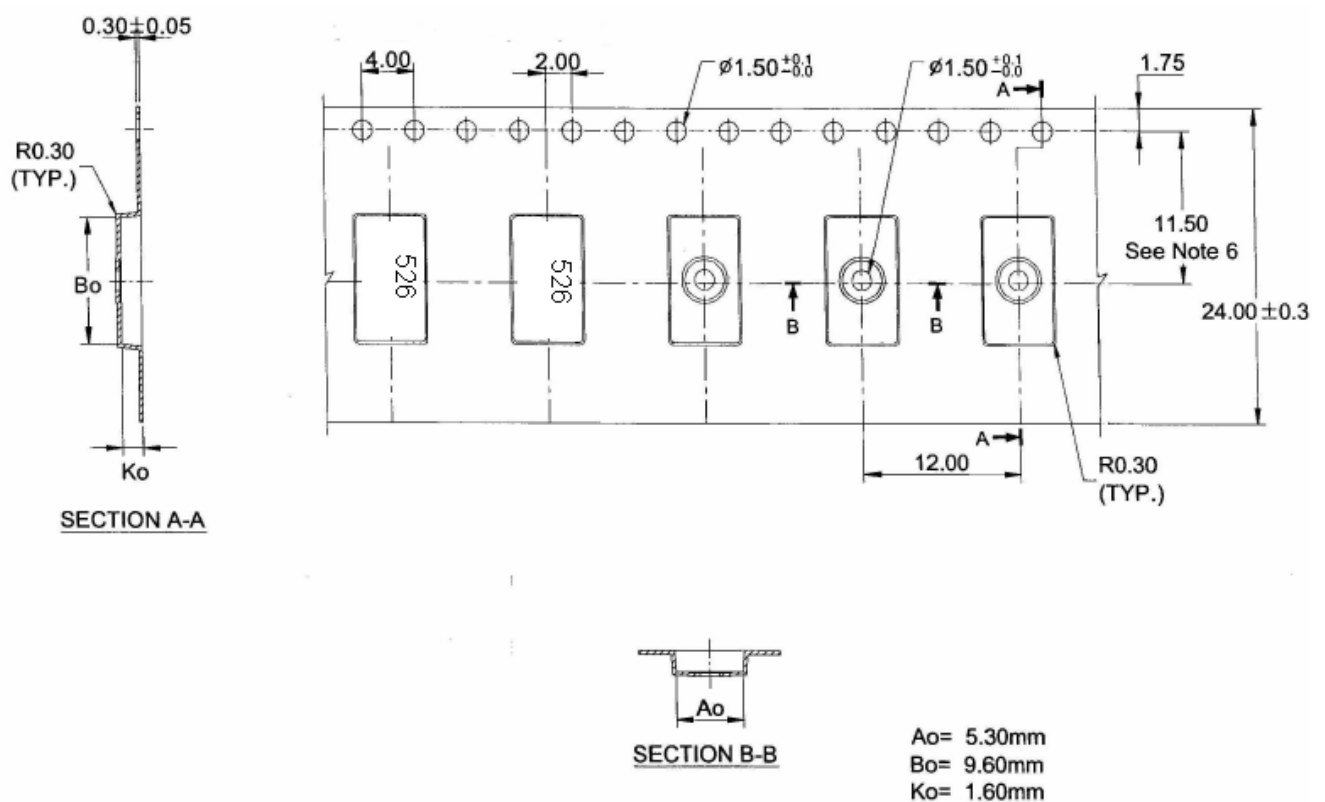


G. PACKING.

1. REEL DIMENSION



2.TAPE DIMENSION (Please refer to FR-75D10 for packing quantity)



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.

