



TAI-SAW TECHNOLOGY CO., LTD.

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Product Specifications Approval Sheet

Product Name: IF SAW Filter 125 MHz (SMD 13.3mmX6.5mm)

TST Parts No.:TB0467B (AEC-Q200 compliant)

Customer Parts No.: _____

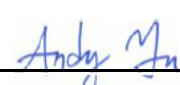
Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ V.J Fanchian 

Approval by: _____ Andy Yu 

Date: _____ 2017/05/23

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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IF SAW Filter 125 MHz SMD 13.3mmX6.5mm

MODEL NO.: TB0467B

REV. NO.1.0

A. MAXIMUM RATING:

1. Operating Temperature: -40°C ~ +85°C
2. Storage Temperature: -40 °C ~ +125 °C
3. Input Power Level: 10dBm

RoHS Compliant
Lead free
Lead-free soldering

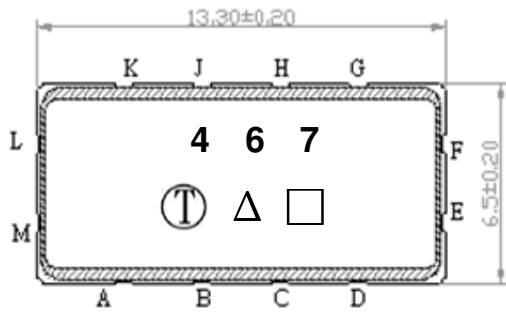
Electrostatic Sensitive Device (ESD)

B. Characteristics :

1. Ambient Temperature: 25 °

Characteristics			Value			Note.
			Min.		Max.	
Center frequency	F_C	MHz	-	125	-	-
Maximum Insertion loss	I.L.	dB	-	12.5	13.5	-
1dB Bandwidth		MHz	-	29.0	-	
3dB Bandwidth		MHz	30.0	30.2	-	
40dB Bandwidth		MHz	-	34.5	39.0	
Passband Ripple ($F_C \pm 14$ MHz)		dB	-	0.64	1.2	-
Group Delay Ripple ($F_C \pm 14$ MHz)		nS	-	15	50	-
Temp Coefficient		ppm/C		-86		
Absolute Delay		uS		0.88		
Attenuation:(Reference level from minimum insertion loss)						
1)	Ultimate Attenuation	dB	40	55	-	-

C.OUTLINE DRAWING:



Pin configuration

#L RF Input

#M RF Input ground

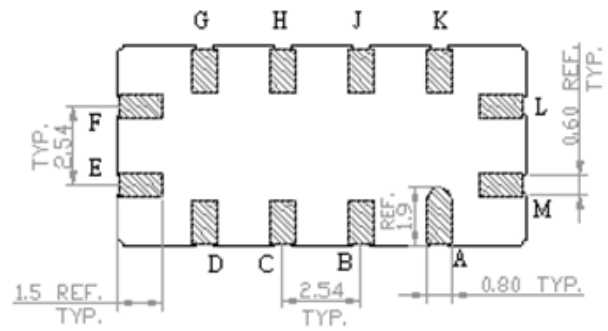
#E RF Output

#F RF Output ground

#A,B,C,D,G,H,I,J To be ground

△ : Product / Year Code

□ : Week Code (Follow the table from planner each year)



Year	2013 2017	2014 2018	2015 2019	2016 2020
Product Code	B	b	<u>B</u>	<u>b</u>

D. Frequency Characteristics :

1. S21 Response

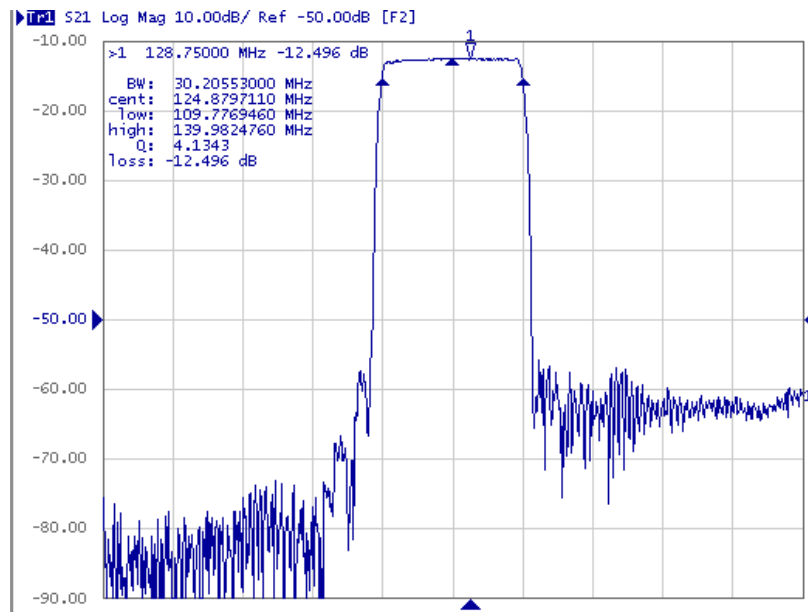


Fig. 1 S21 Response Horizontal: 15MHz/Div; Vertical: 10dB/Div

2. Pass band Ripple

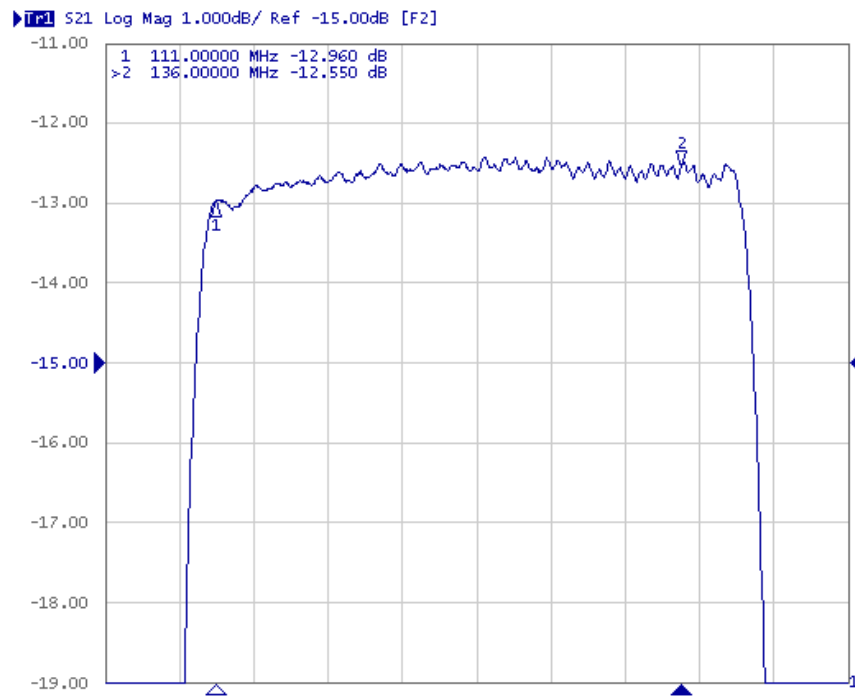


Fig. 2 Inband ripplen Horizontal: 4MHz/Div; Vertical: 1dB/Div

3. S21 Response

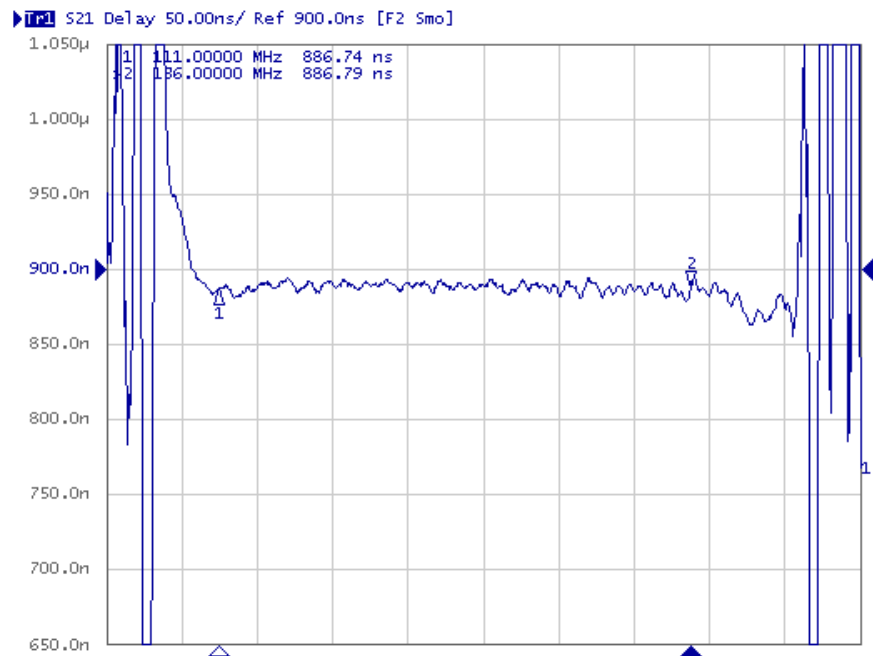


Fig. 3 Group Delay Horizontal: 4MHz/Div; Vertical: 50nS/Div

4. Wide band Response

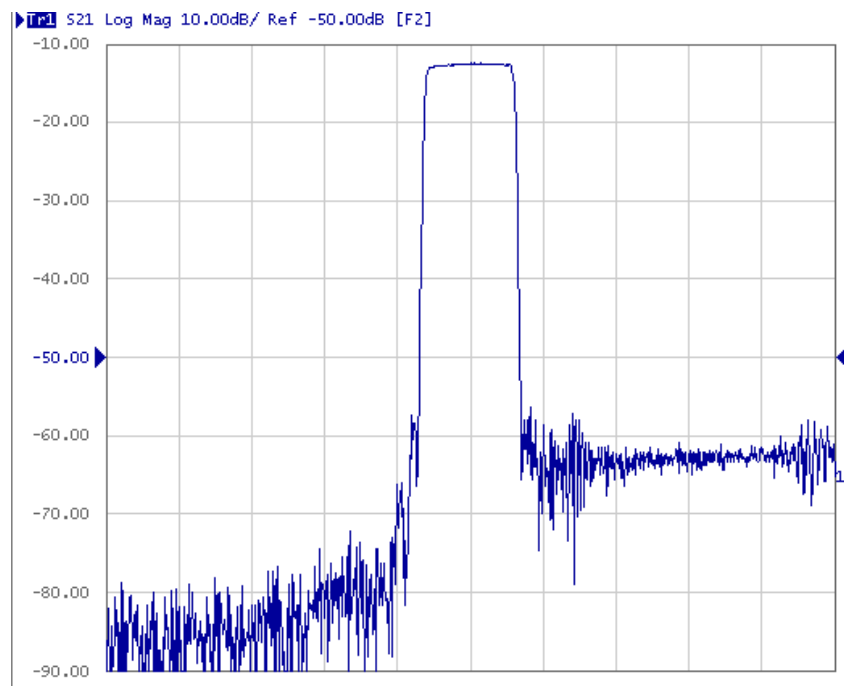
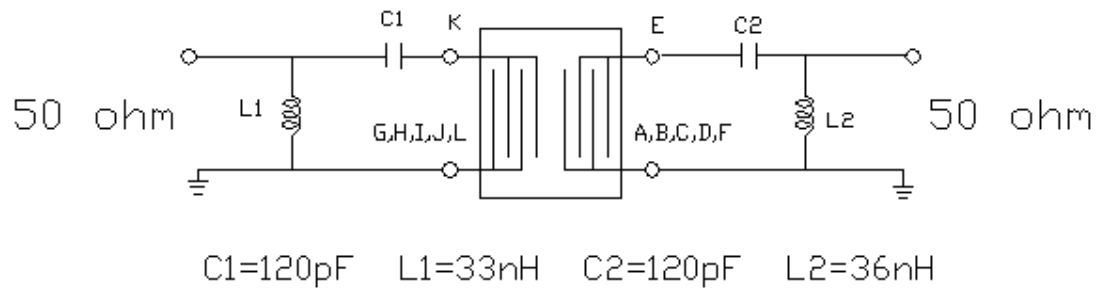
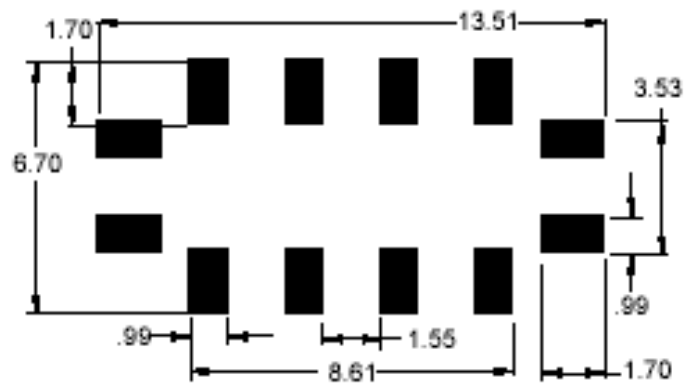


Fig. 2 Wide band Horizontal: 25MHz/Div; Vertical: 10dB/Div

E. TEST FIXTURE :

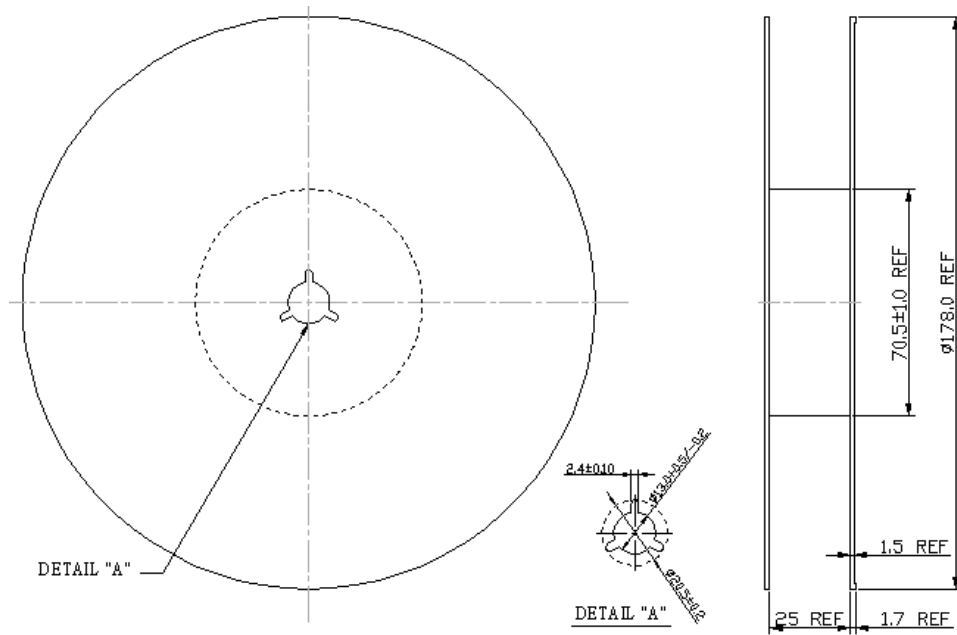


F. PCB FOOTPRINT

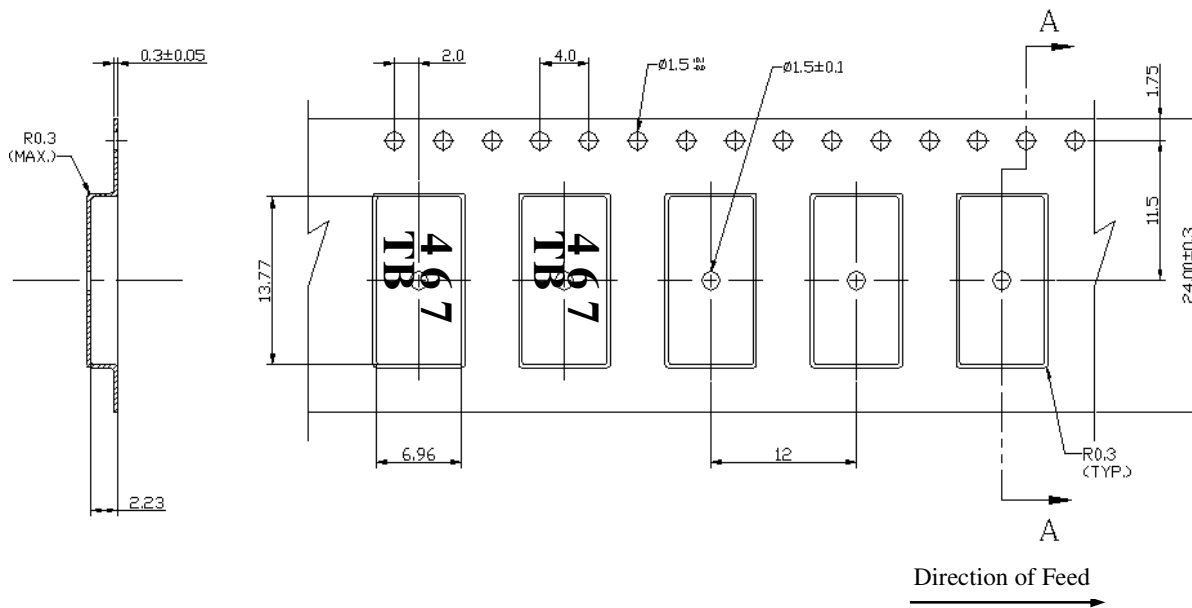


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. Recommended Reflow Profile:

