



TAI-SAW TECHNOLOGY CO., LTD.

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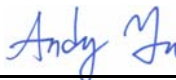
Product Specifications Approval Sheet

Product Name: SAW Filter 462MHz 20MHz BW SMD 3.8×3.8mm

TST Parts No.: TA1677A

Customer Parts No.: _____

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Andy Yu 

Approval by: _____ Bob Chau 

Date: _____ 2013/11/25

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 change.



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SAW Filter 462 MHz 20MHz BW SMD 3.8×3.8mm

MODEL NO.:TA1677A

REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 5V
3. Operating Temperature: -30°C to +70°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

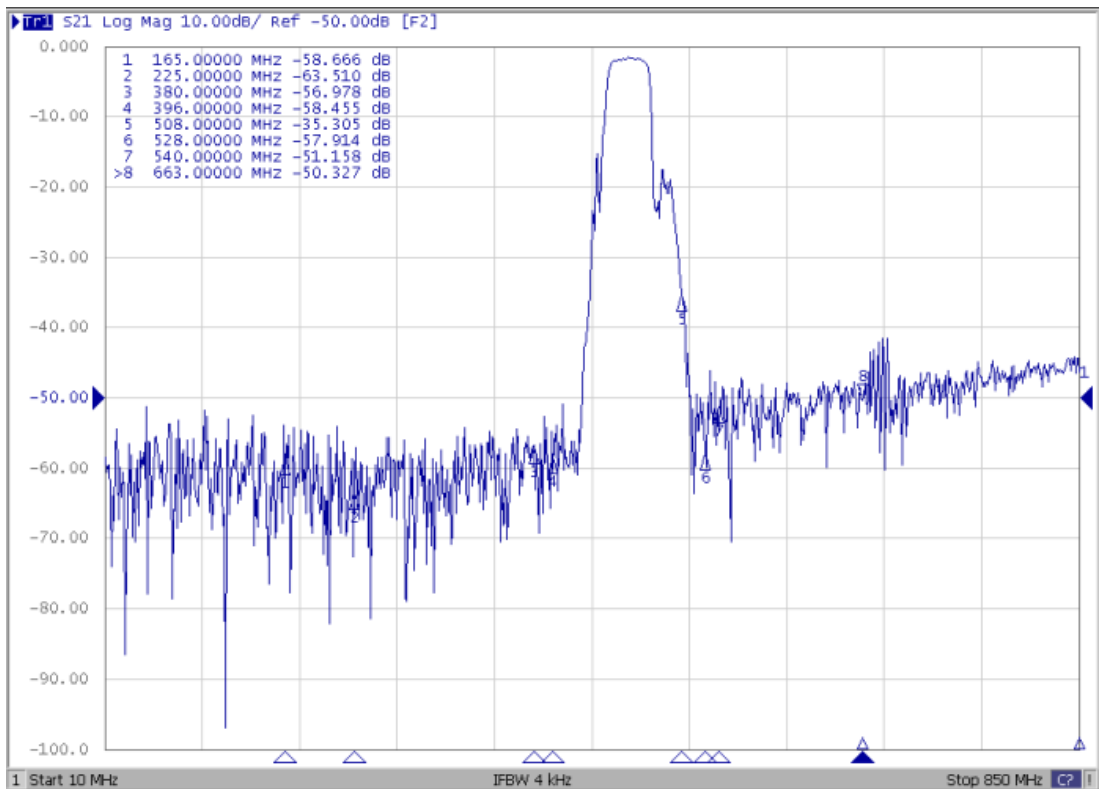
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

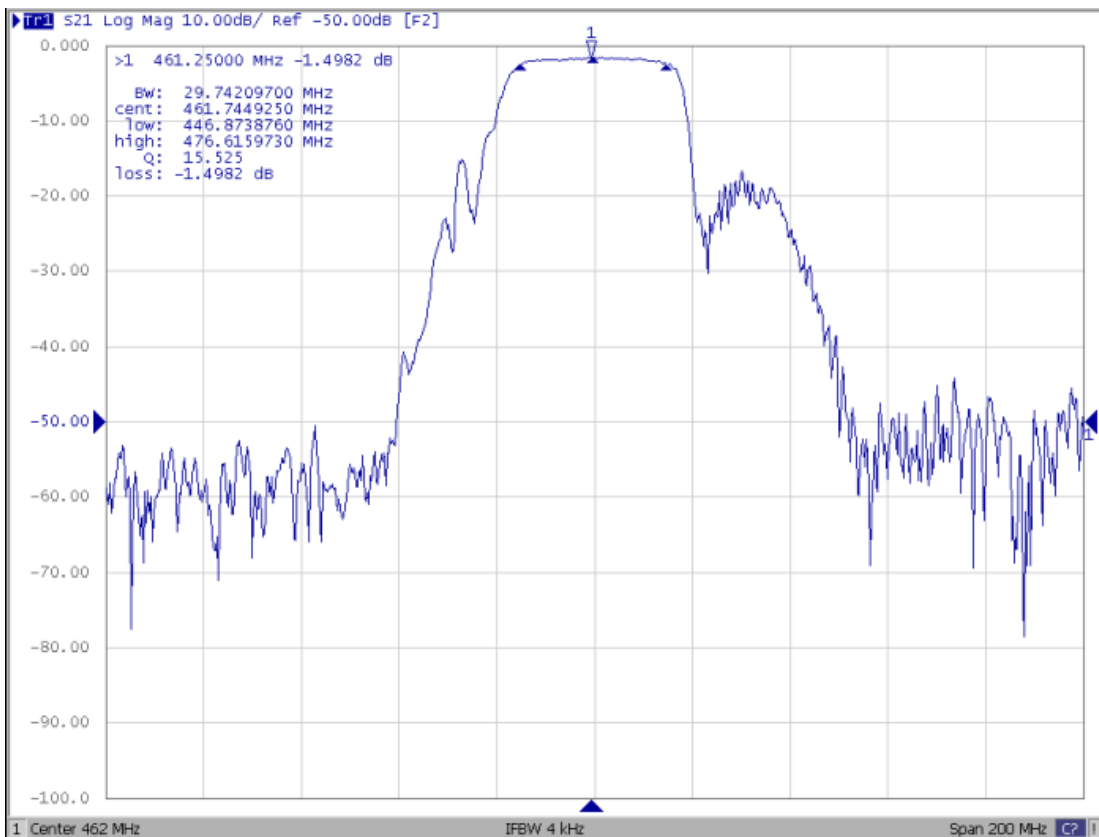
Item	Unit	Min.	Typ.	Max.
Center frequency Fc MHz		-	462	-
1dB Bandwidth MHz	dB	20	29	-
VSWR	dB		1.6	2.0
Insertion loss 452 ~ 472 MHz	dB	-	2.0	3.3
Attenuation (reference from 0dB)				
10 ~ 165 MHz	dB	35	51	-
225 ~ 380 MHz	dB	30	55	-
380 ~ 396 MHz	dB	25	53	-
396 ~ 418 MHz	dB	15	51	-
508 ~ 528 MHz	dB	15	35	-
528 ~ 540 MHz	dB	25	46	-
540 ~ 663 MHz	dB	30	47	-
663 ~ 850 MHz	dB	27	41	-
Source impedance Z _S	Ω	-	50	-
Load impedance Z _L	Ω	-	50	-

C. FREQUENCY CHARACTERISTICS:

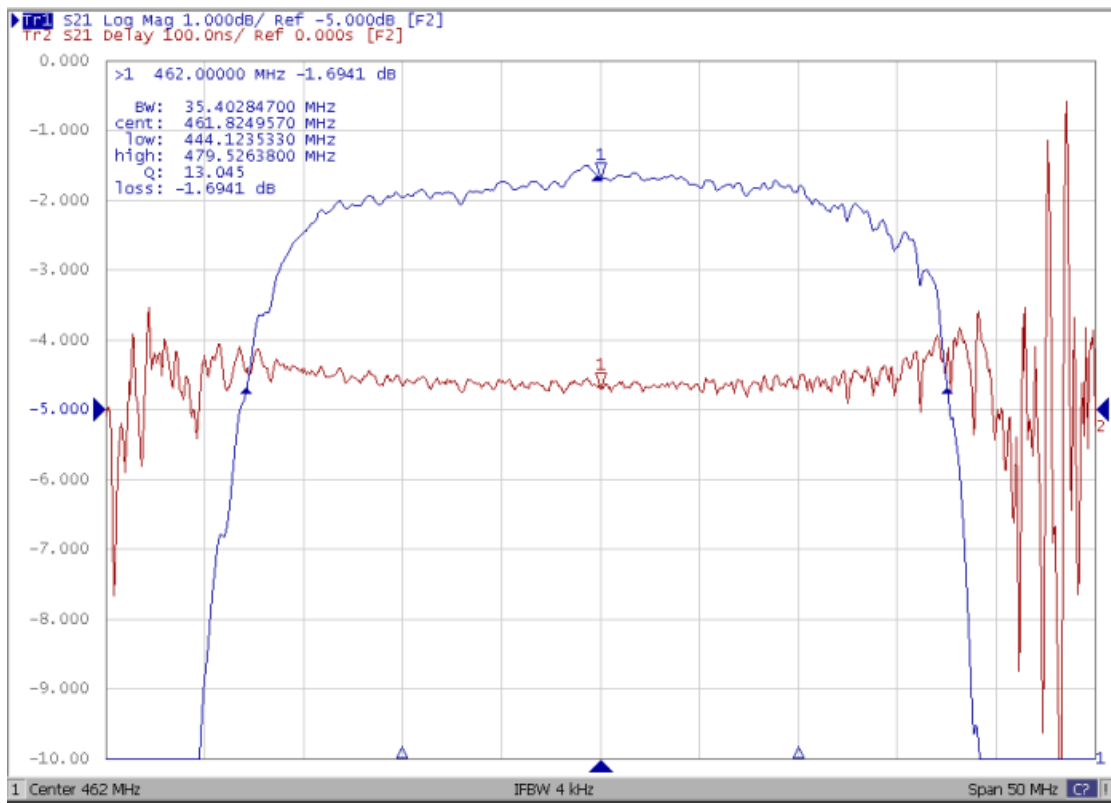
Wideband response: (span 840MHz)



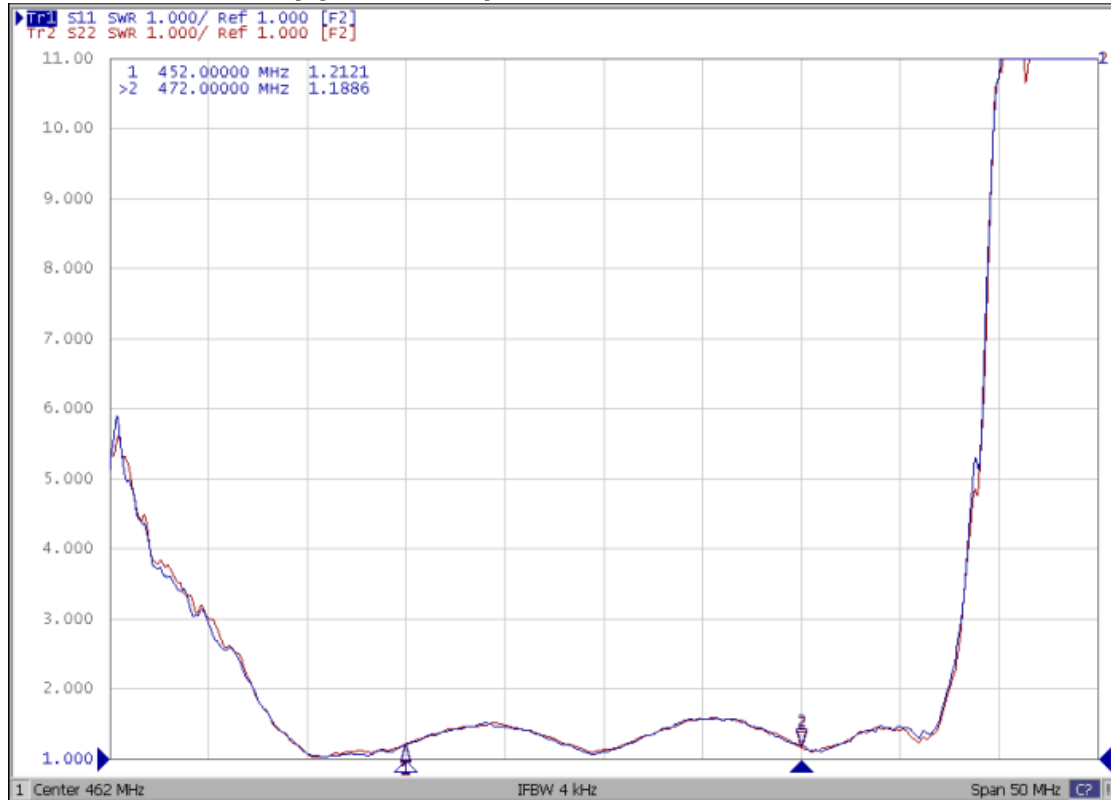
S21 response: (span 200MHz)



Passband response: (span 50MHz)

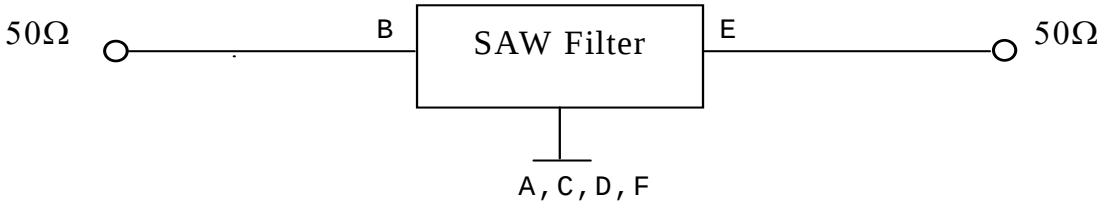


S11 & S22 VSWR: (span 50MHz)

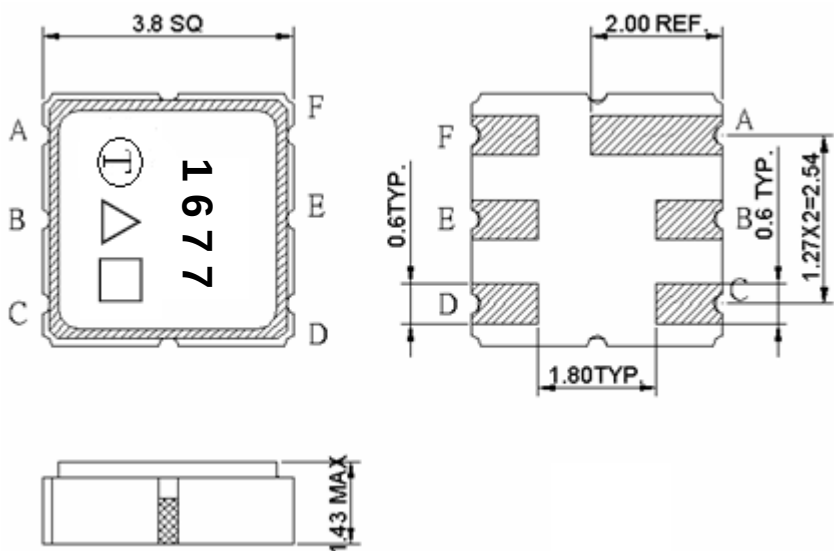


D. MEASUREMENT CIRCUIT:

HP Network analyzer



E. OUTLINE DRAWING:

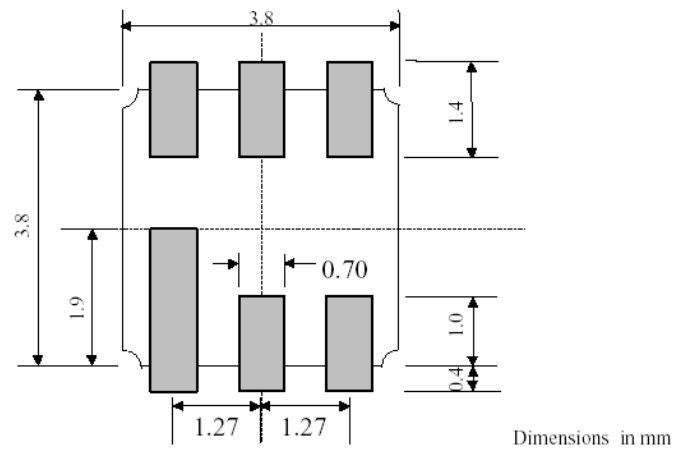


B : Input
E: Output
A,C,D,F Ground
△:Year Code
□: Date Code(Follow the table provided by planner each year.)
Unit: mm

△ Product Year Code

Year	2011	2012
	2013	2014
	2015	2016
Product Code	A	a

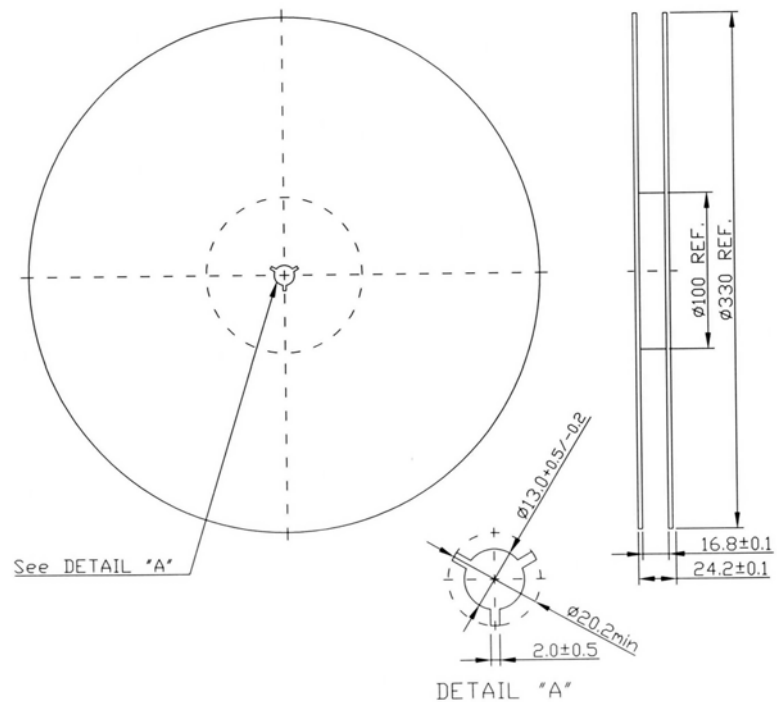
F. PCB FootPrint



G. PACKING:

1. REEL DIMENSION

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



The graph displays the temperature of a substance over time. The y-axis represents Temperature in degrees Celsius, ranging from 20 to 280. The x-axis represents Time in seconds, ranging from 0 to 360. The curve shows a heating phase from 0 to 220 seconds, reaching a maximum temperature of 260°C, followed by a cooling phase from 220 to 360 seconds, ending at 110°C.

Time (Sec)	Temp (Deg C)
0	25
20	28
40	145
60	150
80	158
100	155
120	170
140	178
160	195
180	220
200	255
220	260
240	250
260	175
280	145
300	148
320	135
340	120
360	110