



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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Product Specifications Approval Sheet

Product Name: SAW Filter 412.5 MHz 19MHz BW SMD 3.8×3.8mm

TST Parts No.: TA1636B

Customer Parts No.: _____

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

Checked by: _____ Eric Chen *Eric Chen*

Approval by: _____ Andy Yu *Andy Yu*

Date: _____ 2016/06/15

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 412.5 MHz 19MHz BW SMD 3.8×3.8mm

MODEL NO.:TA1636B

REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -55°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

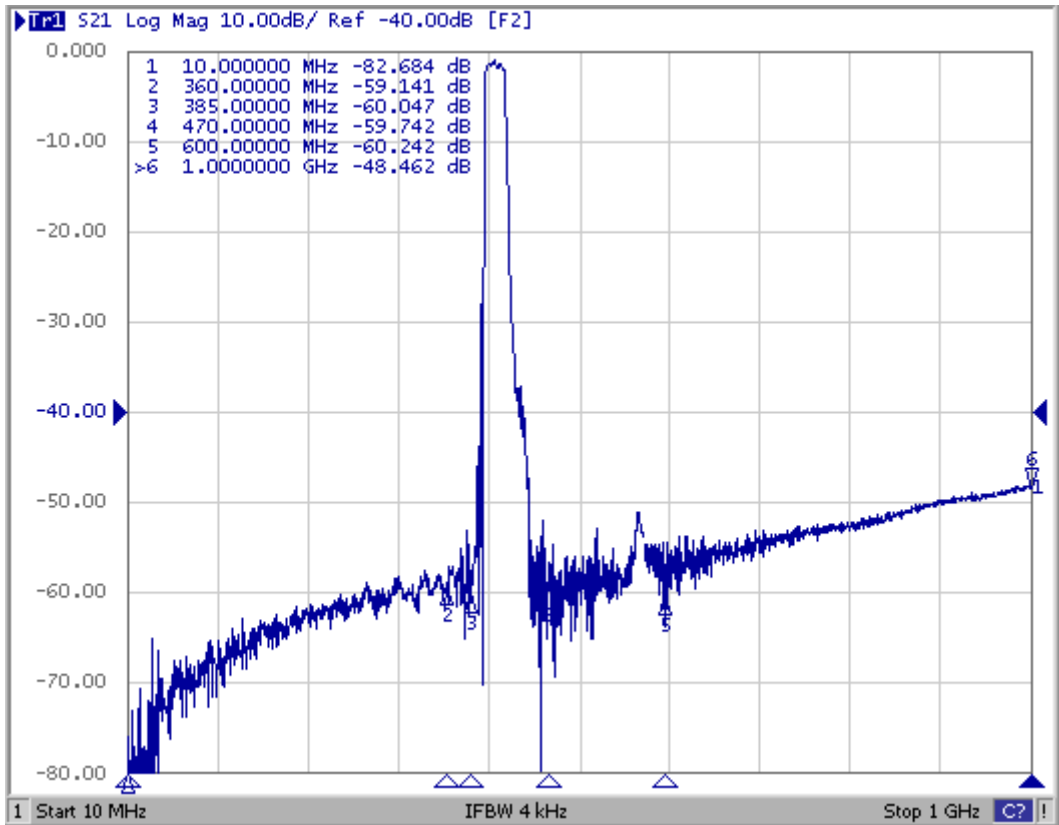
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

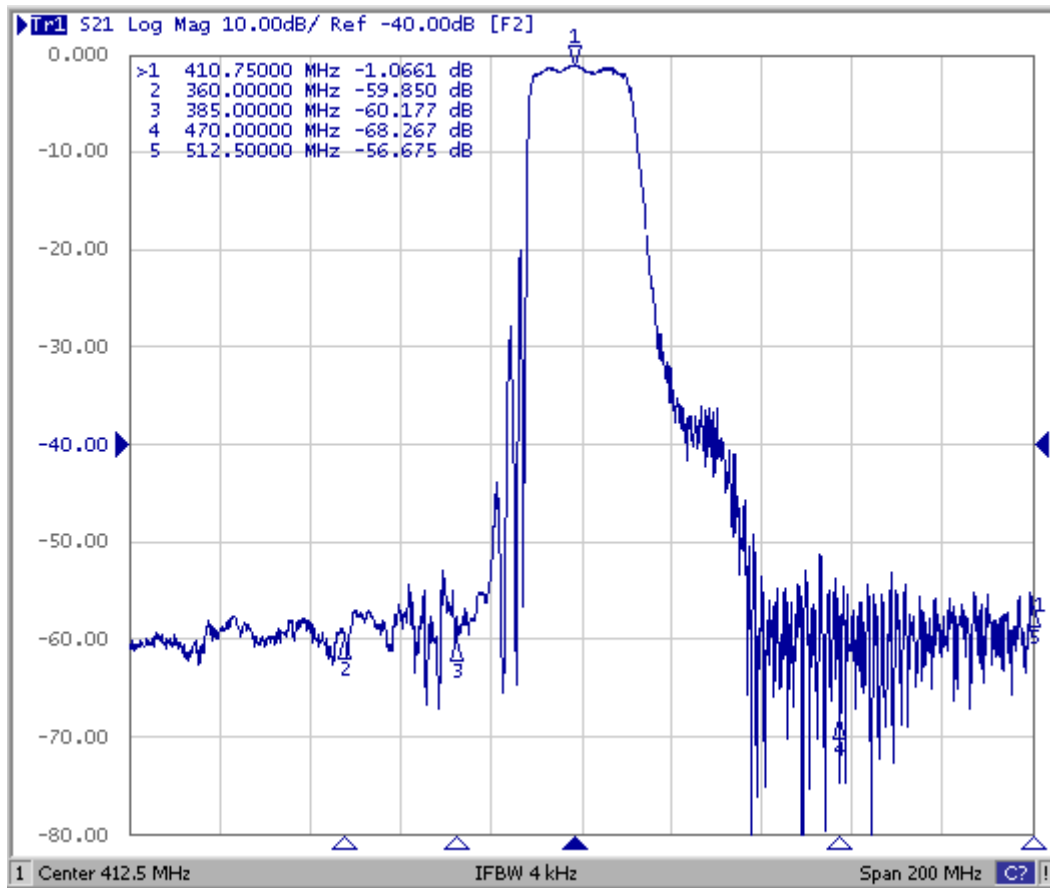
Item			Unit	Min.	Typ.	Max.
Center frequency	F _c	MHz		411	412.5	414
1dB Bandwidth		MHz	dB	-	19.5	-
3dB Bandwidth		MHz	dB	20	23.3	-
Insertion loss	403 ~ 422	MHz	dB	-	2.3	3.0
Attenuation (reference from 0dB)						
10 ~ 360	MHz		dB	50	58	-
360 ~ 385	MHz		dB	47	55	-
470 ~ 600	MHz		dB	47	51	-
600 ~ 1000	MHz		dB	43	48	-
Source impedance	Z _s		Ω	-	50	-
Load impedance	Z _L		Ω	-	50	-
Temperature Coefficient of Frequency			ppm /°C	-	-36	-

C. FREQUENCY CHARACTERISTICS:

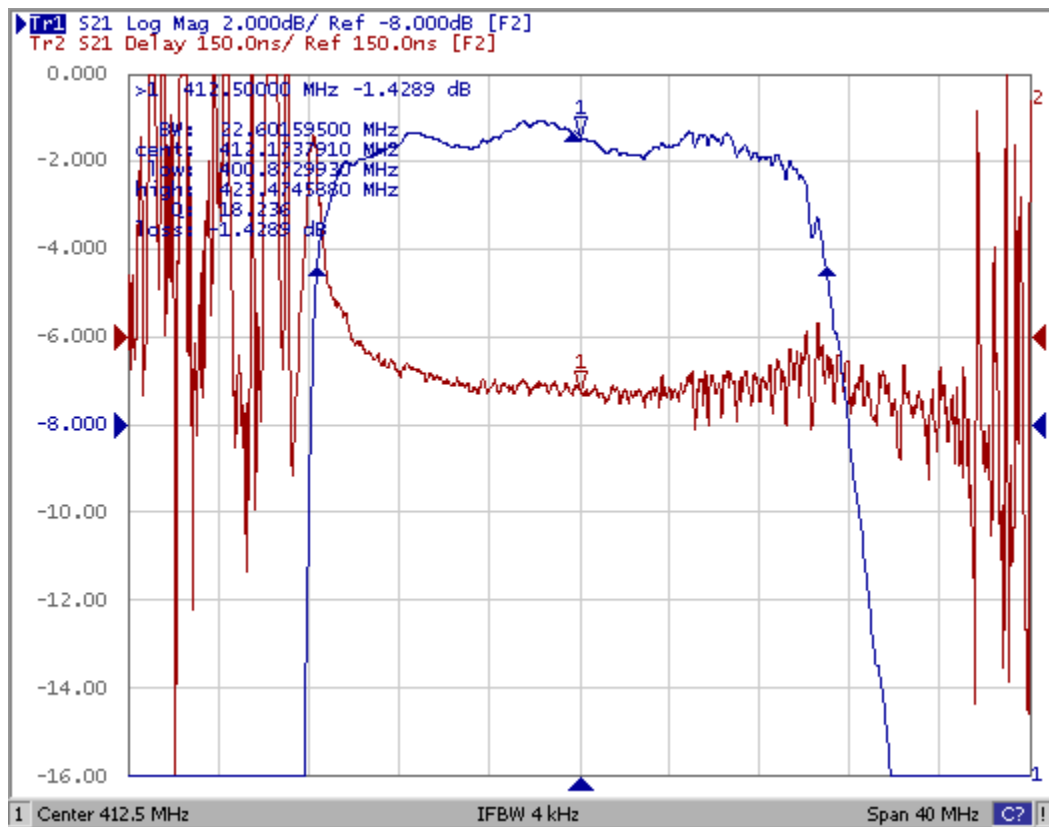
Wideband response: (span 1GHz)



S21 response: (span 200MHz)

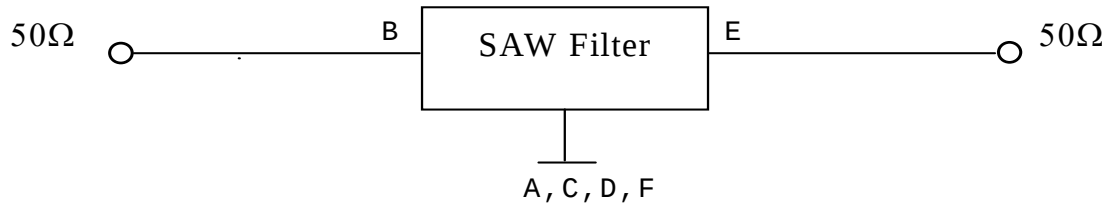


Passband response: (span 40MHz)

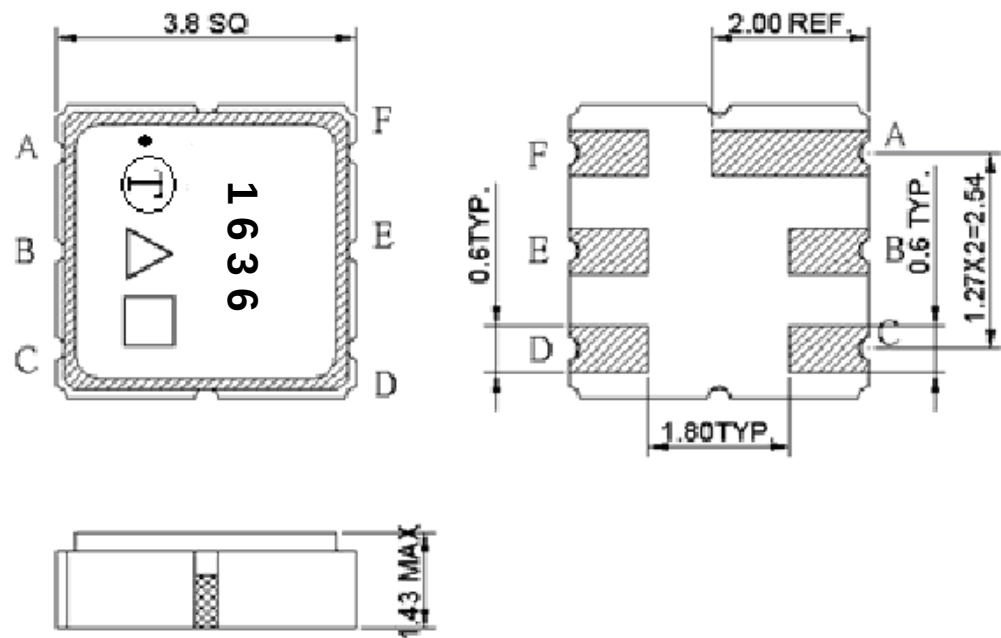


D. MEASUREMENT CIRCUIT:

HP Network analyzer



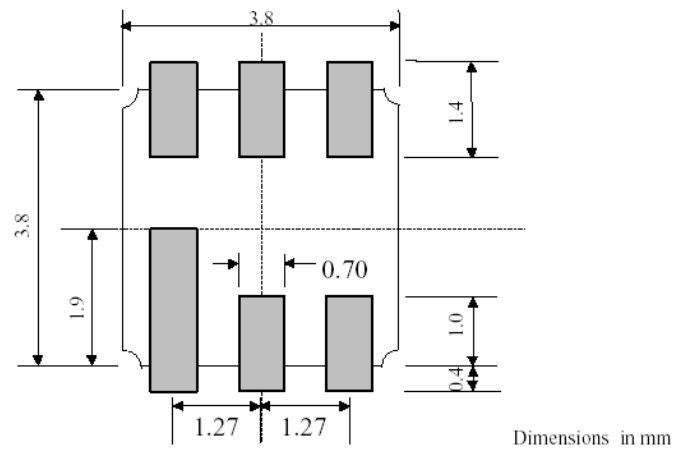
E. OUTLINE DRAWING:



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

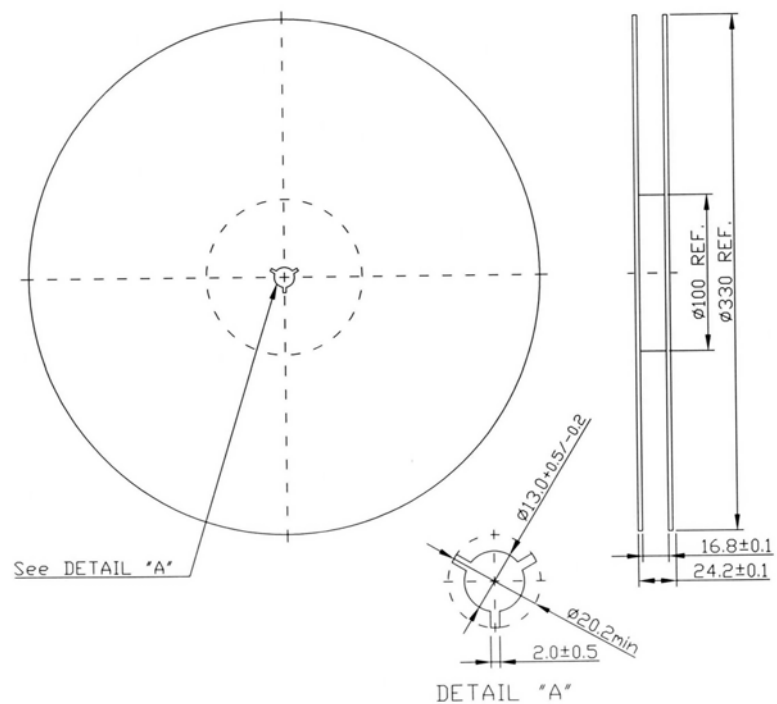
F. PCB FootPrint



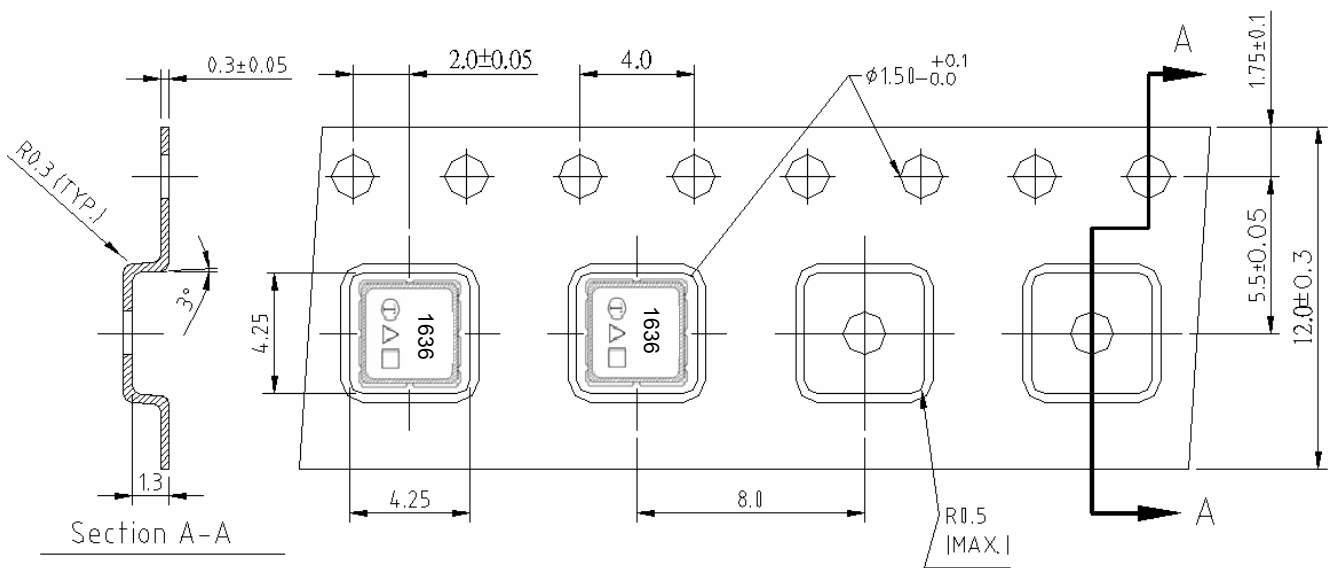
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

