TAI-SAW TECHNOLOGY CO., LTD.
No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.
TEL: 886-3-4690038 FAX: 886-3-4697532
E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

Product Specifications Approval Sheet

Product Name: SAW Filter 443 MHz 20MHz BW SMD 3.8×3.8mm

TST Parts No.: TA1634A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Andy Yu _____

Approval by:_____ Bob Chau _____

Date:_____ 2013/07/27 _____

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 443 MHz 20MHz BW SMD 3.8×3.8mm

MODEL NO.:TA1634A 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: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

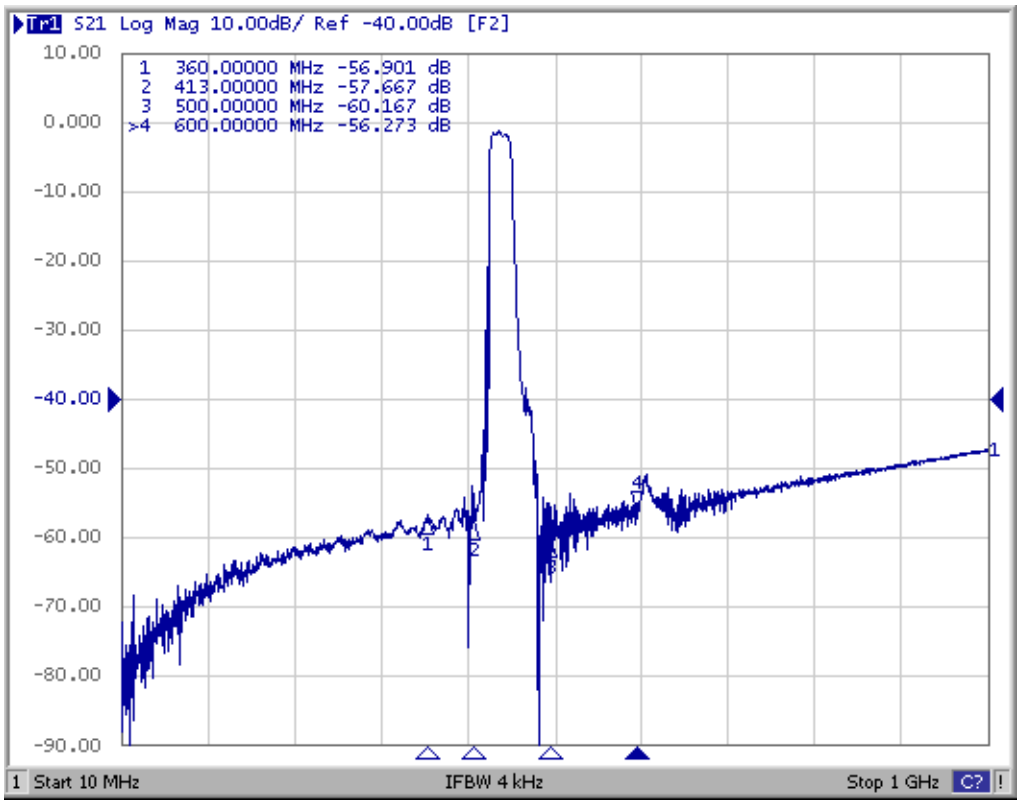
Electrostatic **S**ensitive **D**evice (**ESD**)

B. ELECTRICAL CHARACTERISTICS:

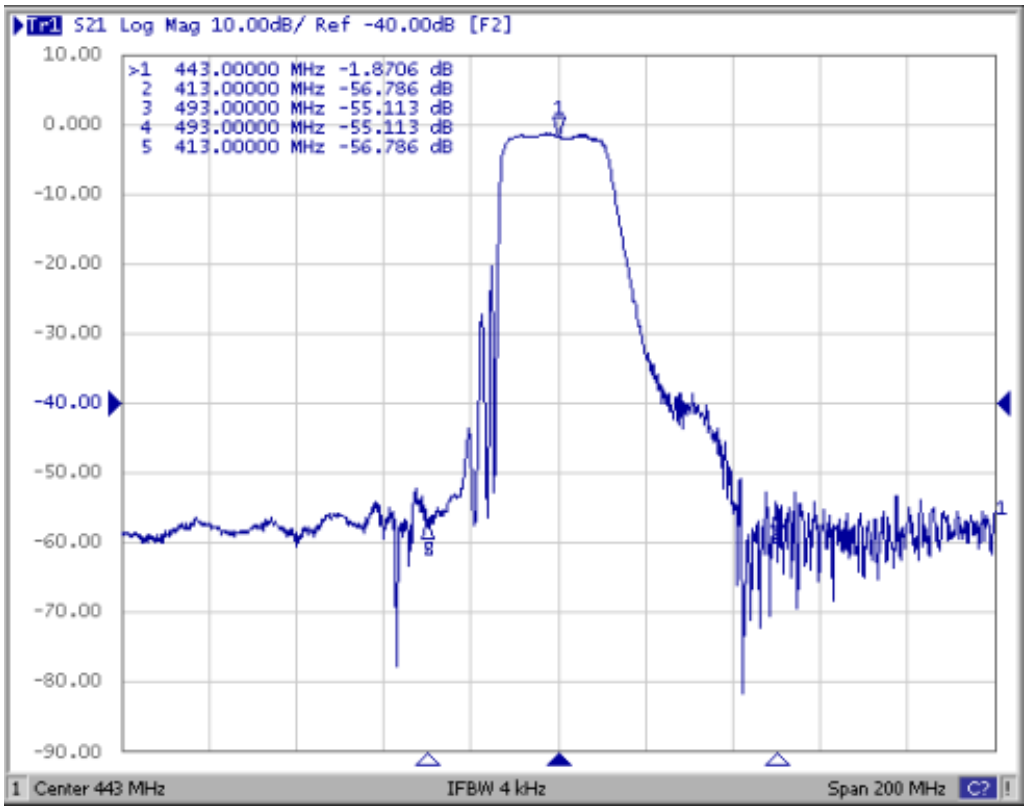
Item			Unit	Min.	Typ.	Max.
Center frequency	Fc	MHz		-	443	-
1dB Bandwidth		MHz	dB	-	20.5	-
3dB Bandwidth		MHz	dB	20	24.1	-
Insertion loss	433 ~ 453	MHz	dB	-	1.8	3.0
Attenuation (reference from 0dB)						
10 ~ 360 MHz			dB	50	56	-
360 ~ 413 MHz			dB	47	54	-
500 ~ 600 MHz			dB	47	53	-
600 ~ 1000 MHz			dB	43	48	-
Source impedance		Z_S	Ω	-	50	-
Load impedance		Z_L	Ω	-	50	-

C. FREQUENCY CHARACTERISTICS:

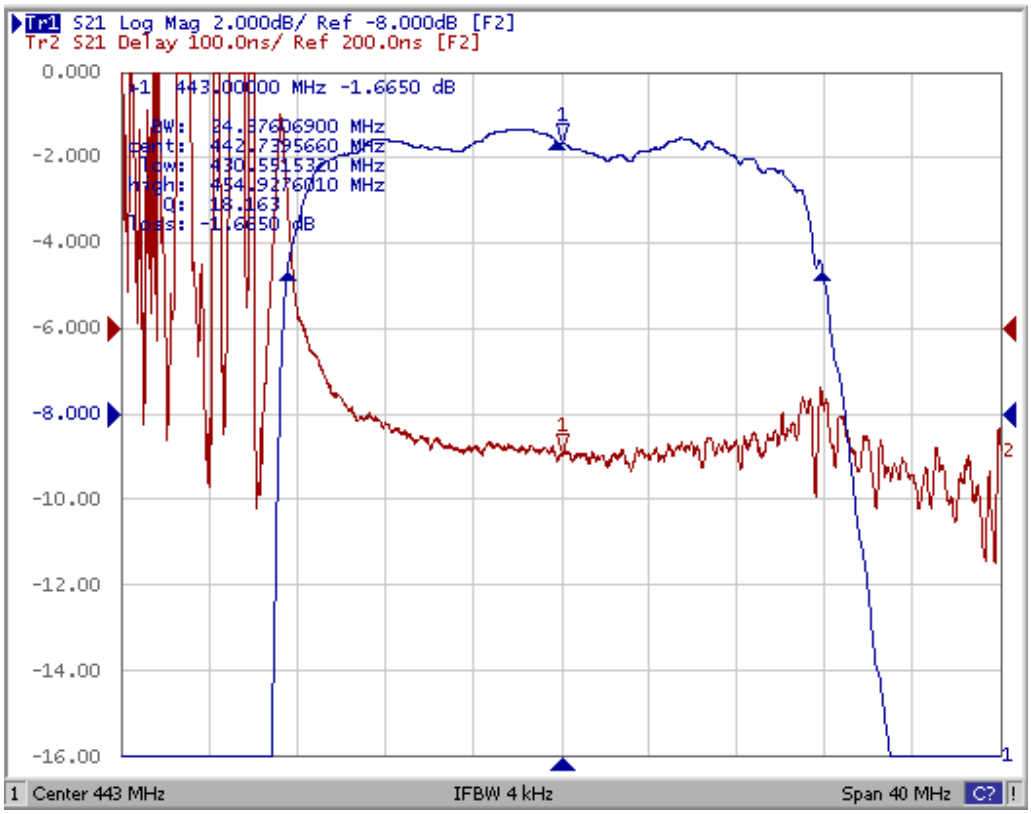
Wideband response: (span 1GHz)



S21 response: (span 200MHz)

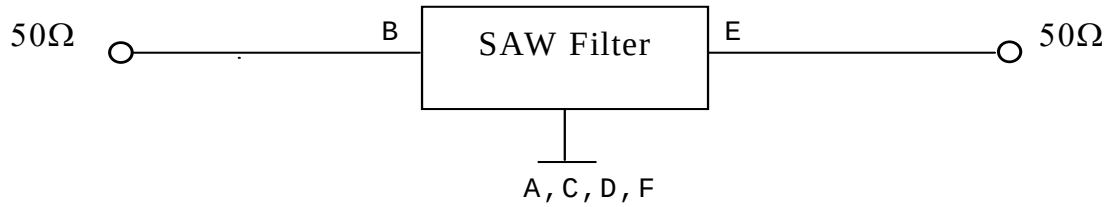


Passband response: (span 40MHz)

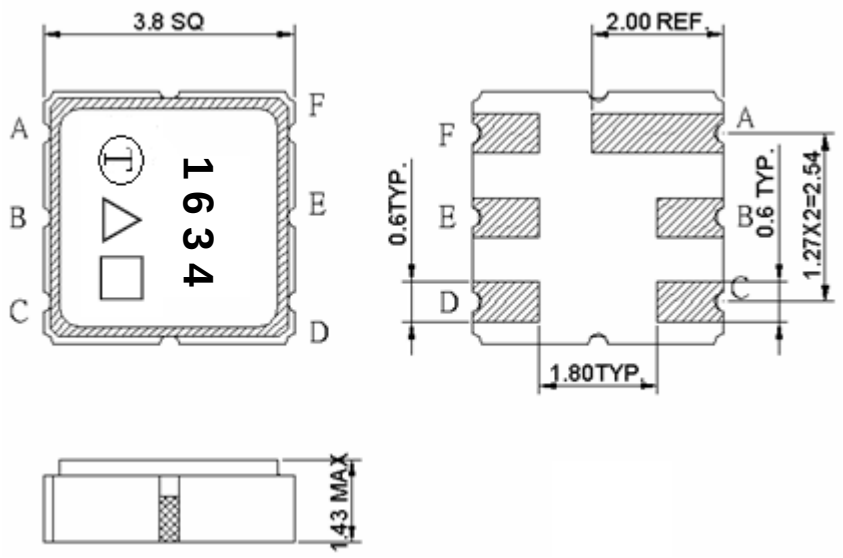


D. MEASUREMENT CIRCUIT:

HP Network analyzer



E. OUTLINE DRAWING:

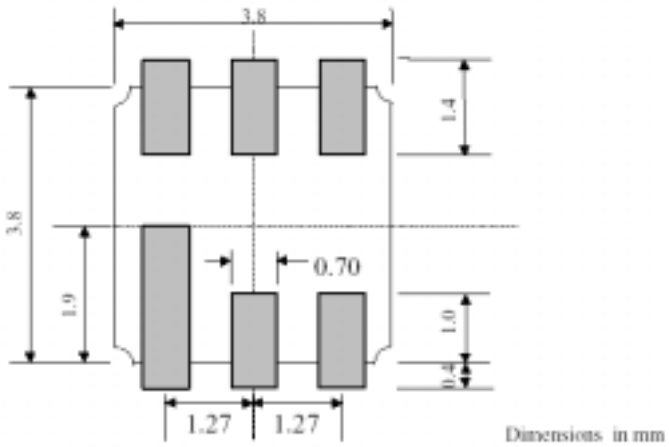


B : Input
E: Output
A,C,D,F Ground
△:Year Code
□: Date Code(Follow the table provided by planner each year.)
Unit: mm

△ Product Year Code

Year	2011 2013 2015 .	2012 2014 2016 .
Product Code	A	a

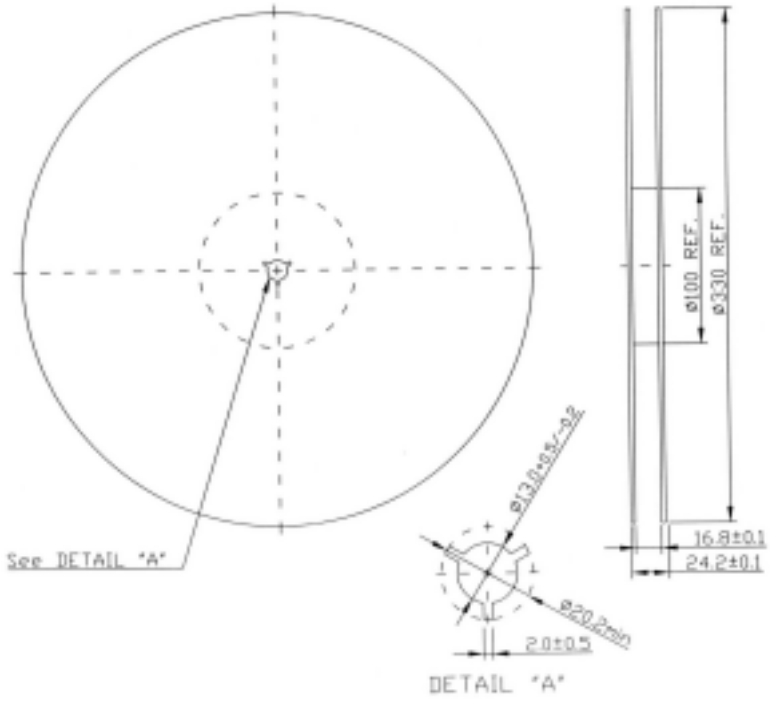
F. PCB FootPrint



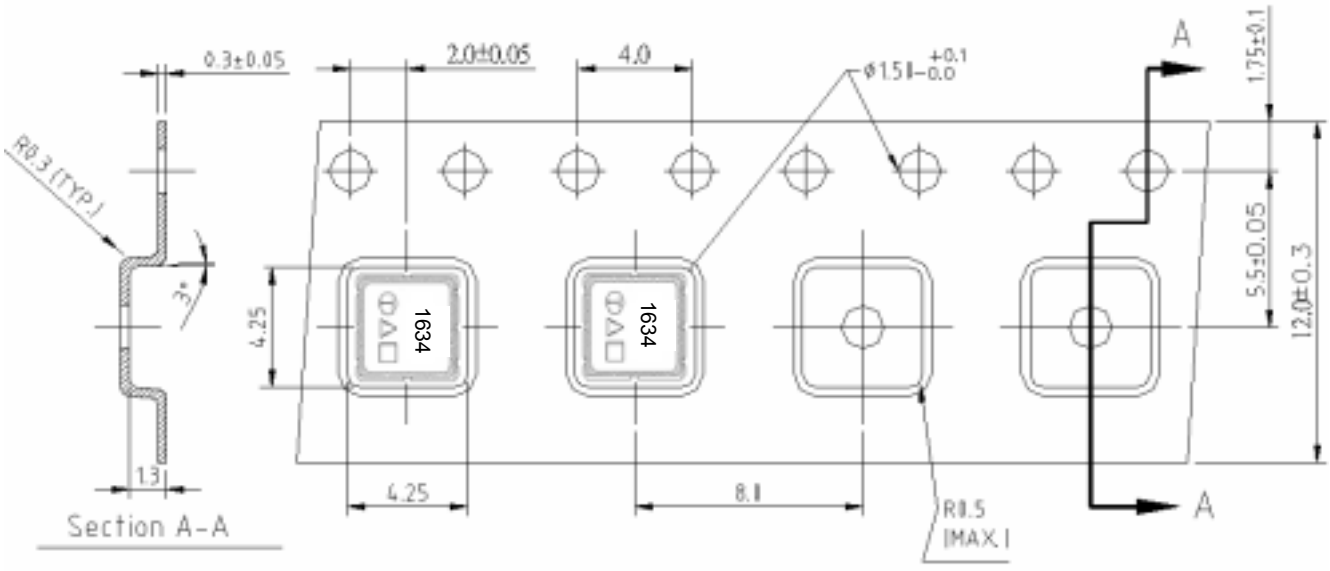
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

