



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Product Specifications Approval Sheet

Product Name: SAW Filter 428MHz 20MHz BW SMD 3.8×3.8mm

TST Parts No.: TA1675A

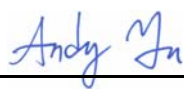
Customer Parts No.: _____

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 428 MHz 20MHz BW SMD 3.8×3.8mm

MODEL NO.:TA1675A

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

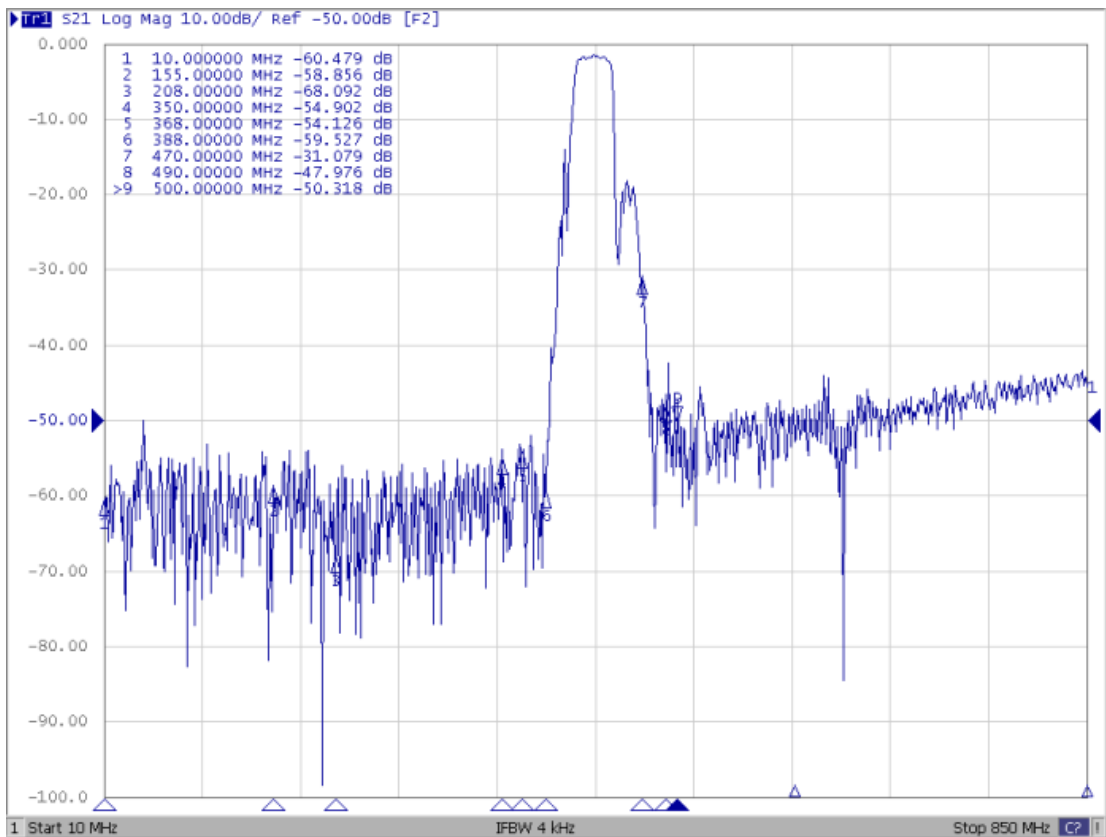
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

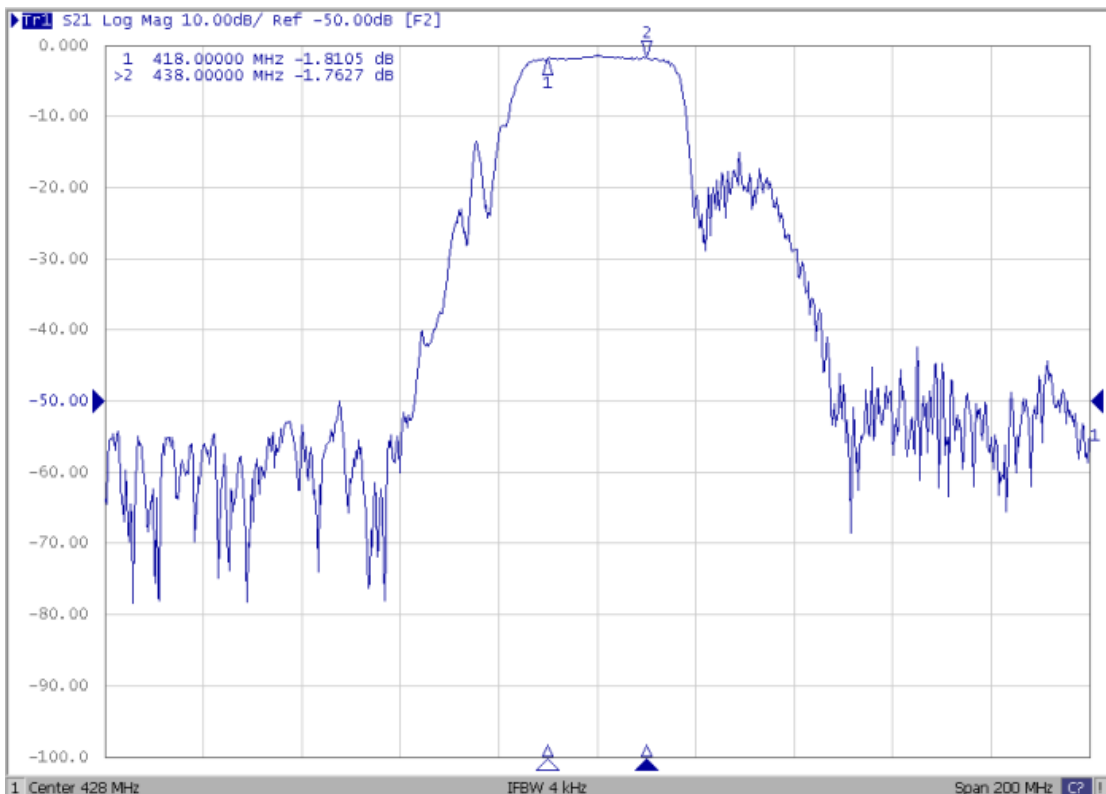
Item	Unit	Min.	Typ.	Max.
Center frequency Fc MHz		-	428	-
1dB Bandwidth MHz	dB	20	27	-
VSWR	dB		1.7	2.0
Insertion loss 418 ~ 438 MHz	dB	-	2.0	3.3
Attenuation (reference from 0dB)				
10 ~ 155 MHz	dB	35	51	-
208 ~ 350 MHz	dB	30	55	-
350 ~ 368 MHz	dB	25	53	-
368 ~ 388 MHz	dB	15	52	-
470 ~ 490 MHz	dB	15	31	-
490 ~ 500 MHz	dB	25	42	-
500 ~ 600 MHz	dB	30	45	-
600 ~ 850 MHz	dB	27	43	-
Source impedance Z _S	Ω	-	50	-
Load impedance Z _L	Ω	-	50	-

C. FREQUENCY CHARACTERISTICS:

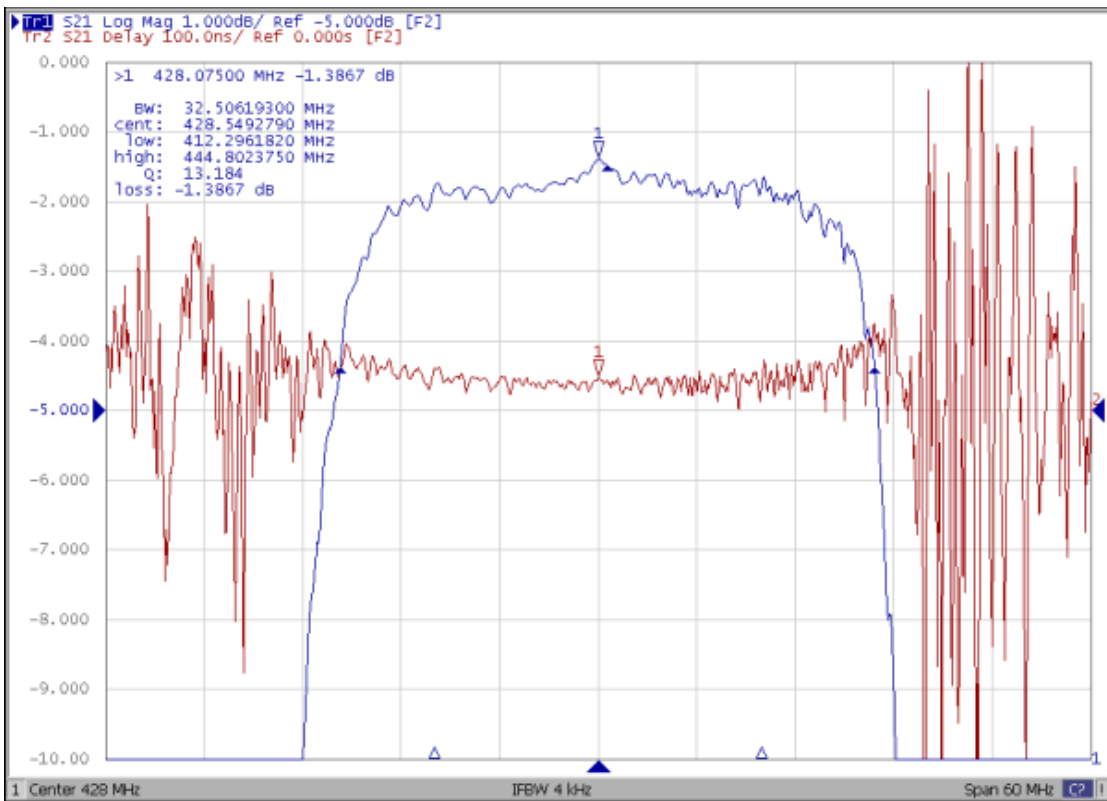
Wideband response: (span 840MHz)



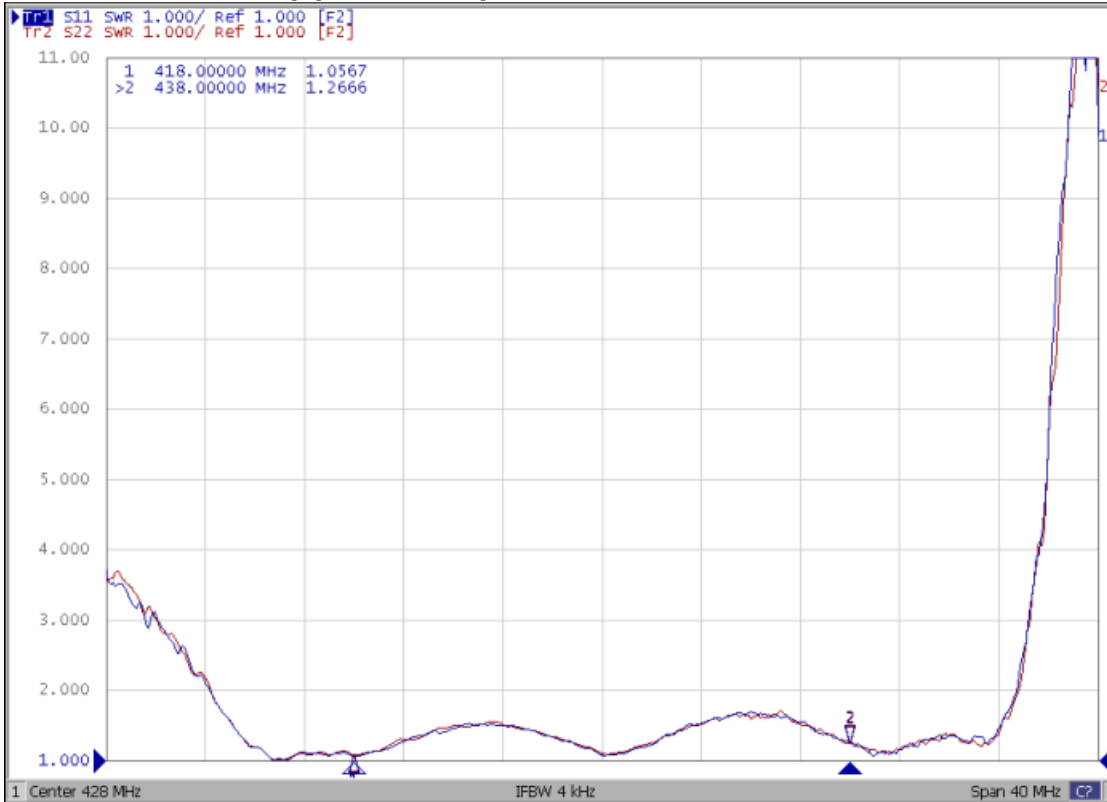
S21 response: (span 200MHz)



Passband response: (span 60MHz)

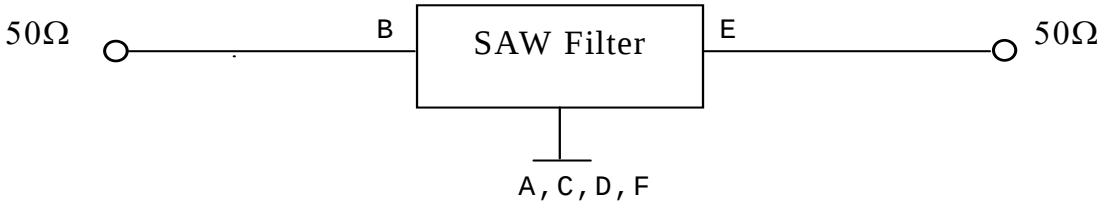


S11 & S22 VSWR: (span 40MHz)

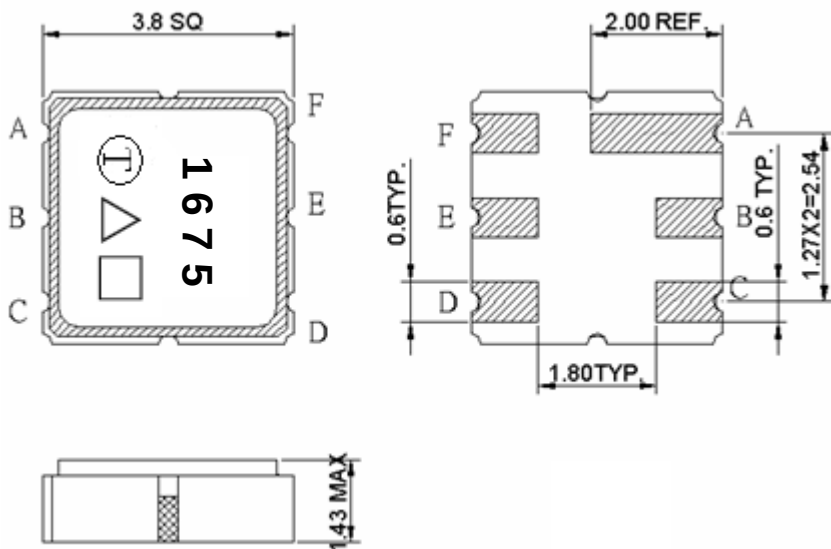


D. MEASUREMENT CIRCUIT:

HP Network analyzer



E. OUTLINE DRAWING:

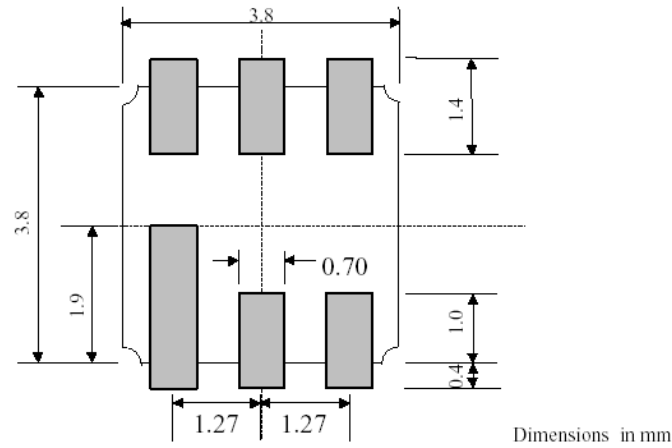


B : Input
E: Output
A,C,D,F Ground
△:Year Code
□: Date Code(Follow the table provided by planner each year.)
Unit: mm

△ Product Year Code

Year	2011	2012
	2013	2014
	2015	2016
Product Code	A	a

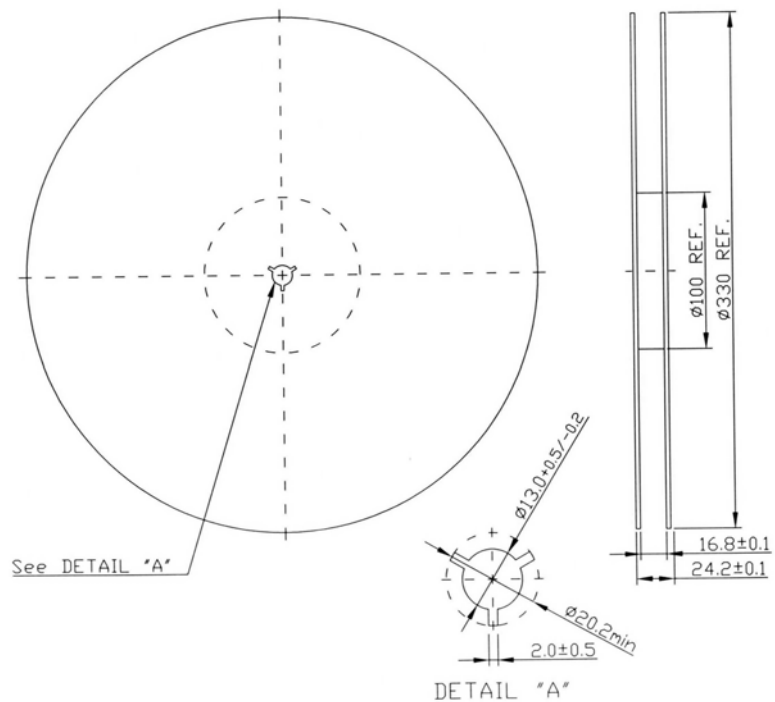
F. PCB FootPrint



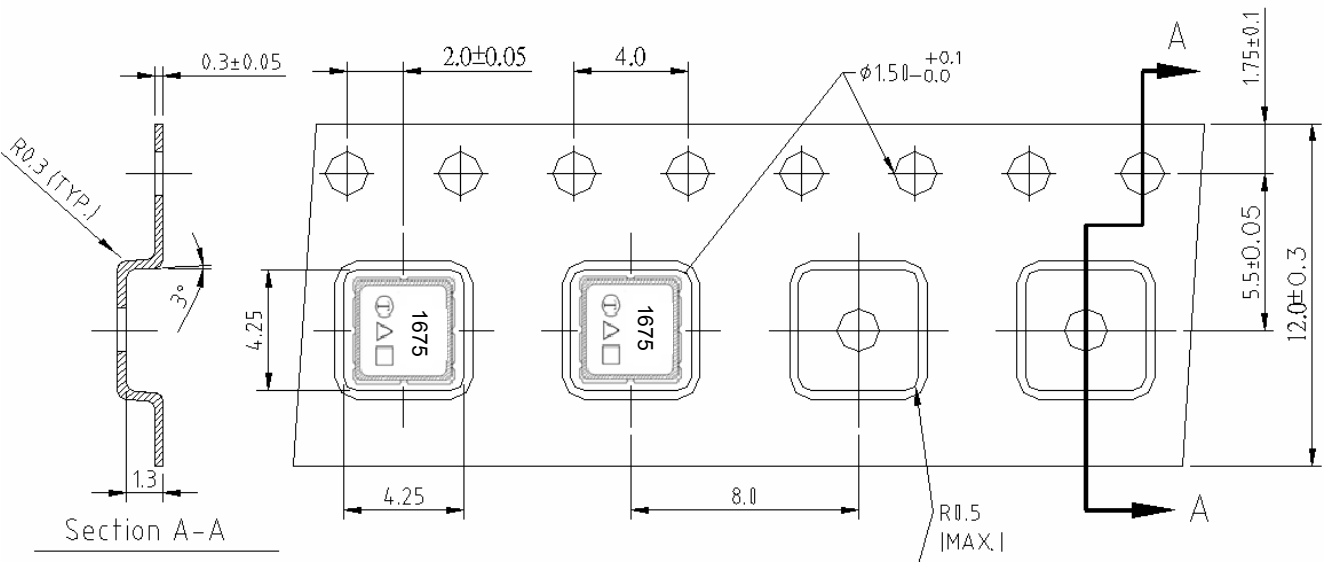
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

