



# 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

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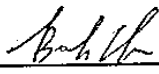
## Product Specifications Approval Sheet

Product Description: SAW Filter 2017.5 MHz SMD 3.0X3.0 mm

TST Part No.: TA1039A

Customer Part No.: \_\_\_\_\_

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: \_\_\_\_\_ Bob Chau 

Approved by: \_\_\_\_\_ Francis Chen 

Date: \_\_\_\_\_ 9, 17, 2009

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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## SAW Filter 2017.5 MHz

MODEL NO.:TA1039A

REV. NO.:1

### A. MAXIMUM RATING:

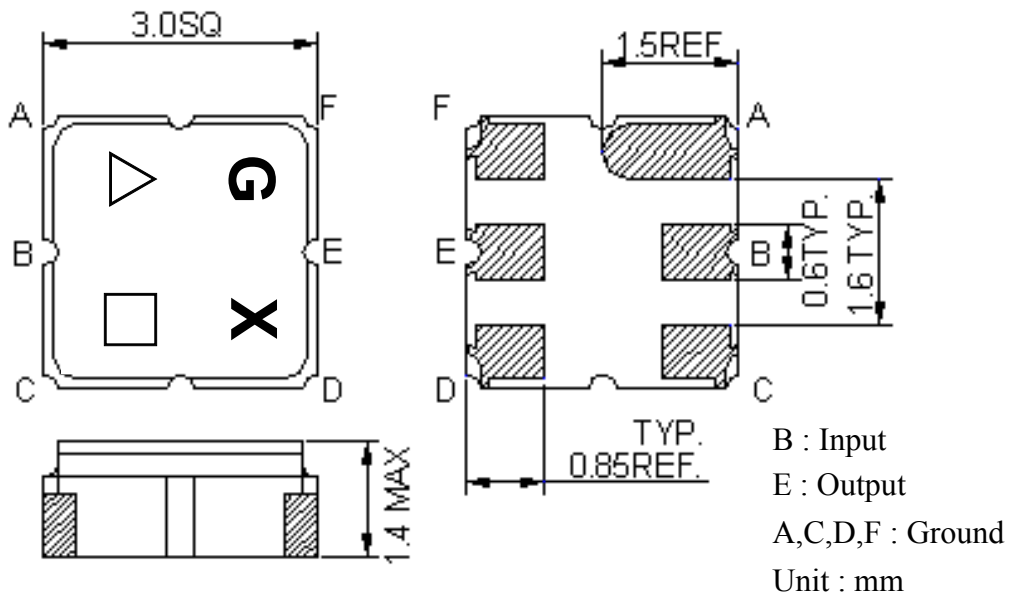
1. Input Power Level: +10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

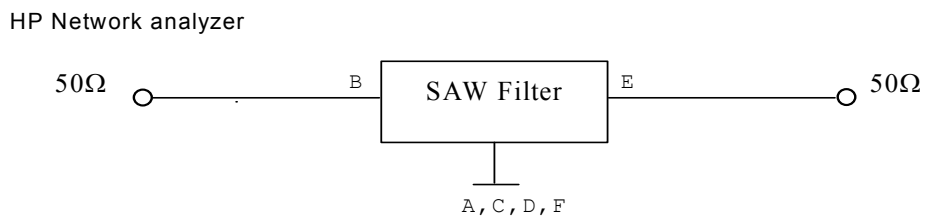
Item	Unit	Min.	Type.	Max.	Note
<b>Center Frequency</b> <b>Fc</b>	MHz	-	2017.5	-	-
<b>Insertion Loss</b> (2010~2025 MHz) <b>IL</b>	dB	-	2.9	4	-
<b>Amplitude Ripple</b> (2010~2025 MHz)	dB	-	0.5	1.5	-
<b>Group Delay Ripple</b> (2010~2025 MHz)	ns		4	25	-
<b>VSWR</b> (2010~2025 MHz)		-	2	2.5	-
<b>Attenuation</b> (Reference level from 0 dB)					
D.C. ~ 1200      MHz	dB	40	48	-	-
1200 ~ 1860      MHz	dB	33	38	-	-
1920 ~ 1980      MHz	dB	13	28	-	-
2045 ~ 2070      MHz	dB	6	17	-	-
2070 ~ 2085      MHz	dB	26	39	-	-
2085 ~ 2800      MHz	dB	30	35	-	-
2800 ~ 4000      MHz	dB	22	30	-	-

**C.OUTLINE DRAWING:**

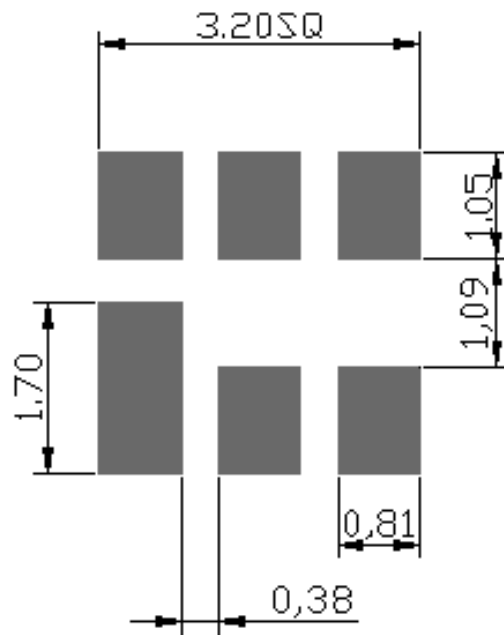


- △ : Year Code (2006->6, ..., 2009->9)
- : Date Code (W01->A, W02->B, ..., W27->a, ..., W52->z)

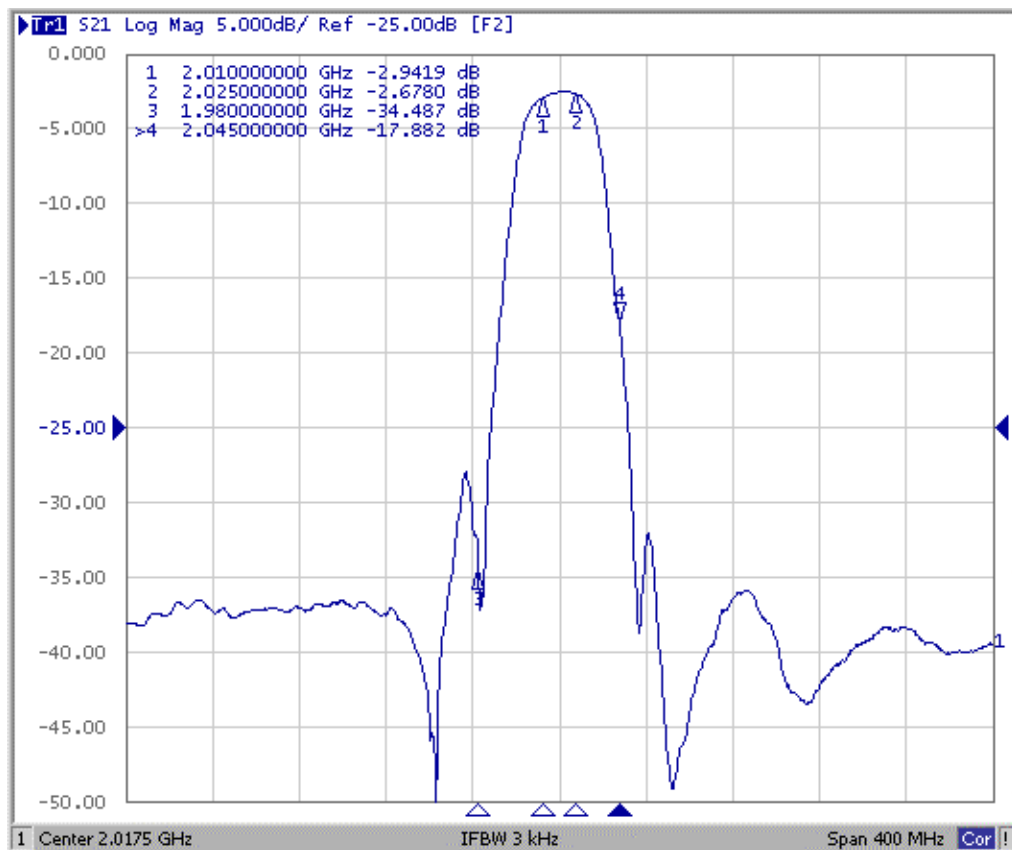
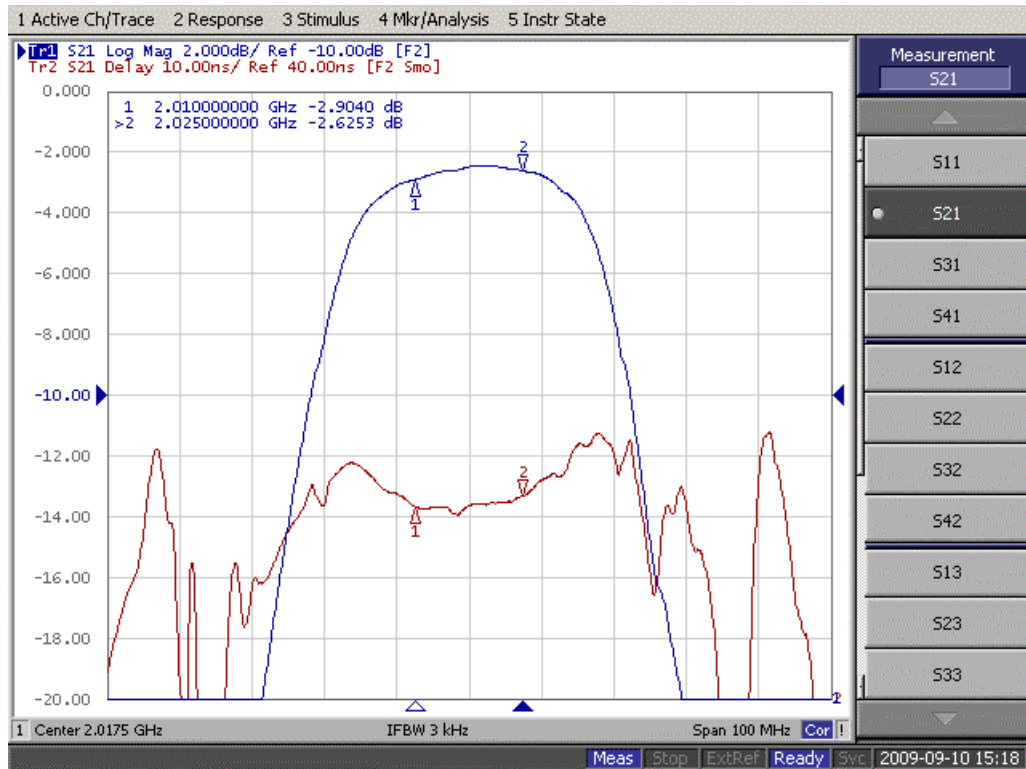
**D. MEASUREMENT CIRCUIT:**

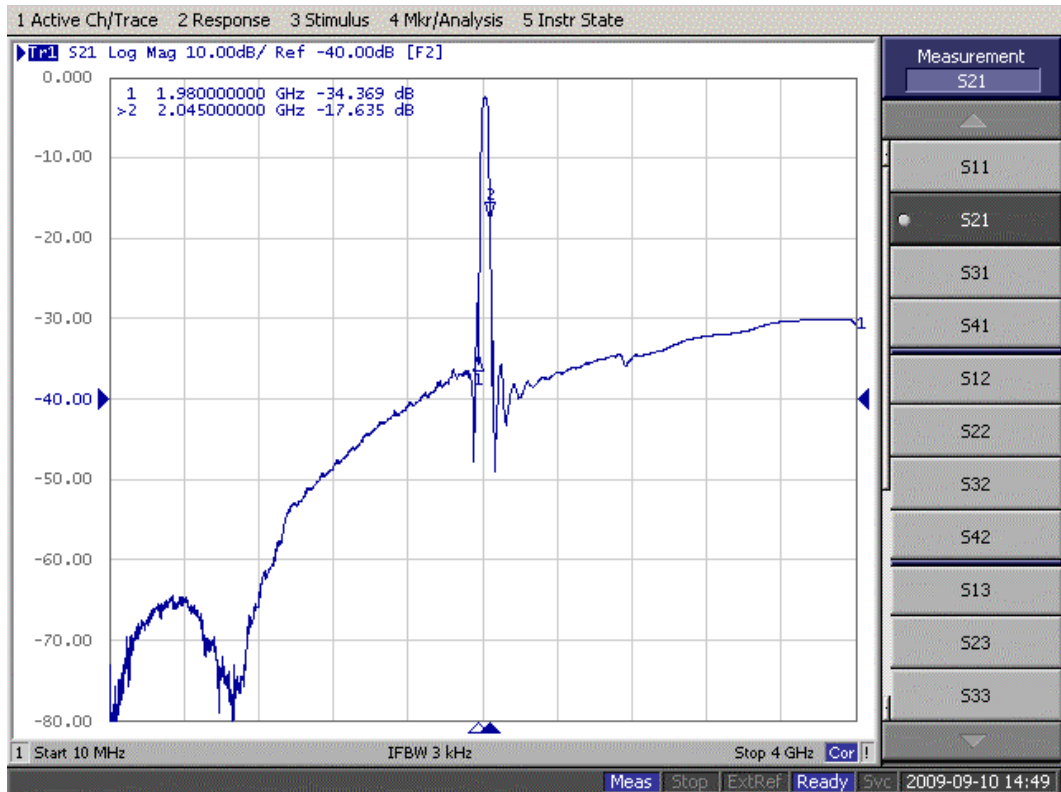


**E. PCB Footprint:**



## F. Frequency Characteristics :

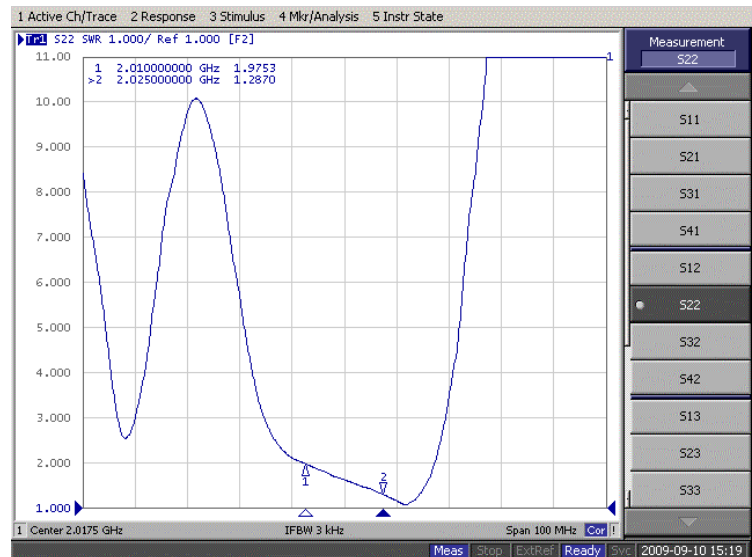
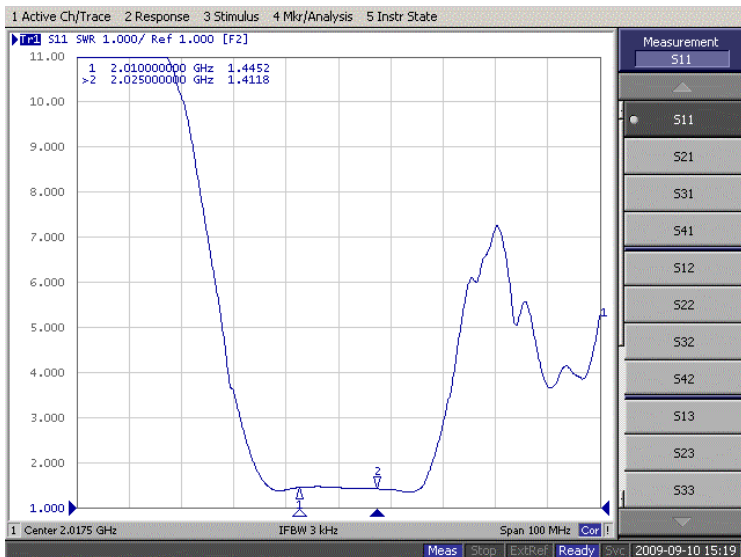




**Reflection Functions :**

**S11**

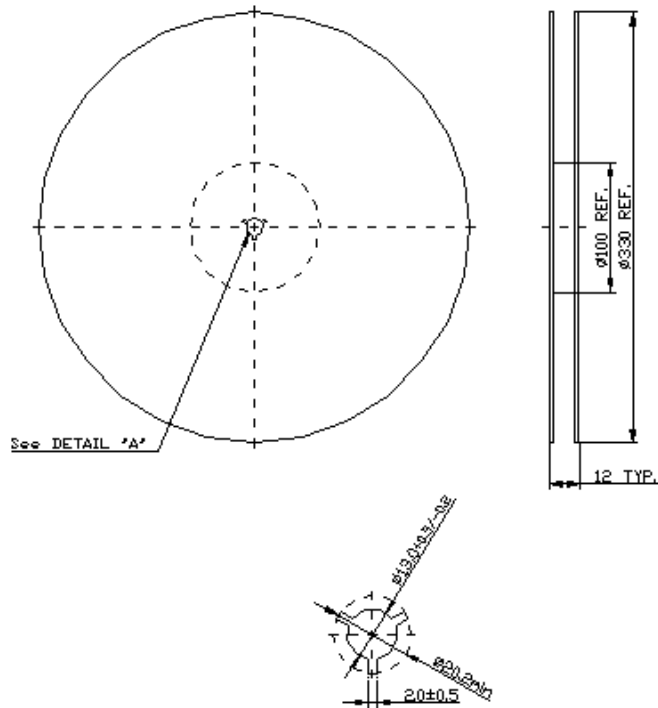
**S22**



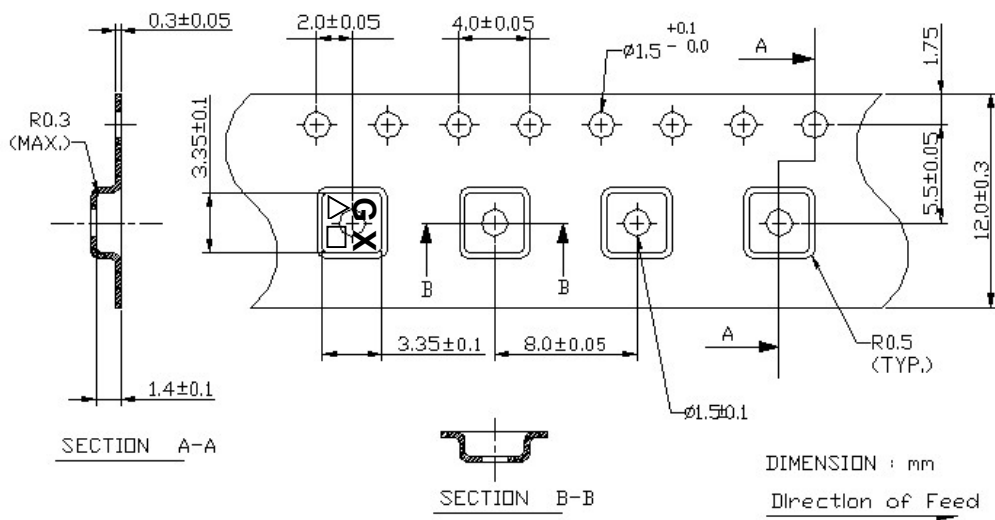
**G. PACKING:**

**1. REEL DIMENSION**

(Reel Count : 7"=1000 ; 13"=3000 )



**2. TAPE DIMENSION**



**H. RECOMMENDED REFLOW PROFILE :**

