



# 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](mailto:tstsales@mail.taisaw.com) Web: [www.taisaw.com](http://www.taisaw.com)


## Product Specifications Approval Sheet


Product Description: SAW Filter 836.5 MHz SMD 3.0X3.0 mm

TST Part No.: TA836GGB

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

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

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

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

Date: \_\_\_\_\_ 10, 20, 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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## RF SAW Filter 836.5 MHz for CDMA

Model No.: TA836GGB

Rev. No.:1

### A. MAXIMUM RATING:

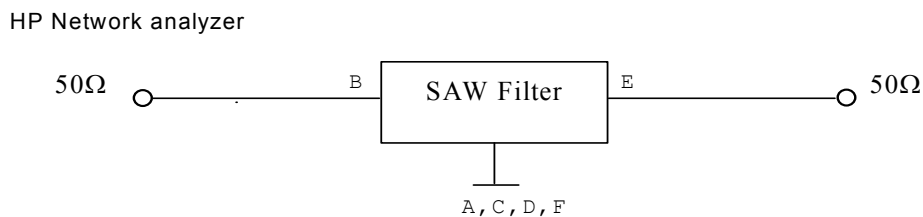
1. Input Power Level: +10 dB<sub>m</sub>
2. DC voltage: -5~+5 V
3. Operating Temperature: -30°C ~ +85°C
4. Storage Temperature: -40°C ~ +85°C

RoHS Compliant  
Lead free  
Lead-free soldering

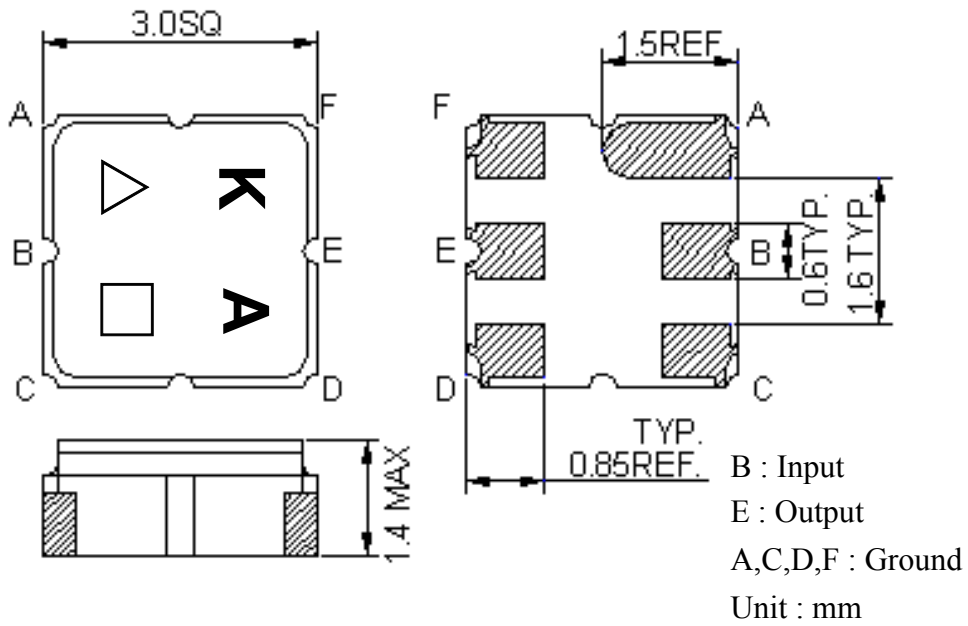
### B. ELECTRICAL CHARACTERISTICS:

Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency $F_c$ MHz	-	836.5	-	-
Insertion loss (824 ~ 849 MHz) I.L. dB	-	2.8	3.5	-
V.S.W.R (824 ~ 849 MHz) dB	-	1.6	2.0	-
Ripple (824 ~ 849 MHz) dB	-	0.7	1.6	-
<b>Attenuation: ( Reference level from 0 dB)</b>				
1) D.C. ~ 800 MHz dB	50	55	-	-
2) 859 ~ 869 MHz (at +25°C only) dB	10	17	-	-
3) 869 ~ 1049 MHz dB	28	31	-	-
4) 1049 ~ 1200 MHz dB	50	57	-	-
5) 1200 ~ 2000 MHz dB	45	48	-	-
Impedance at $F_c$ ; Input $Z_{IN}=R_{IN}$	50Ω			-
Output $Z_{OUT}=R_{OUT}$	50Ω			-

### C. MEASUREMENT CIRCUIT:



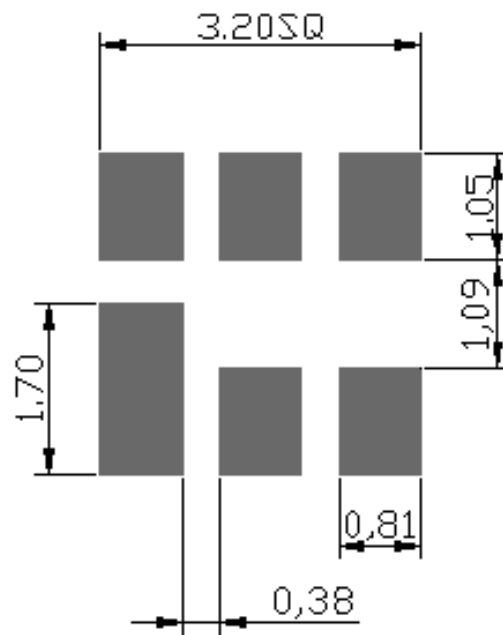
**D. OUTLINE DRAWING:**



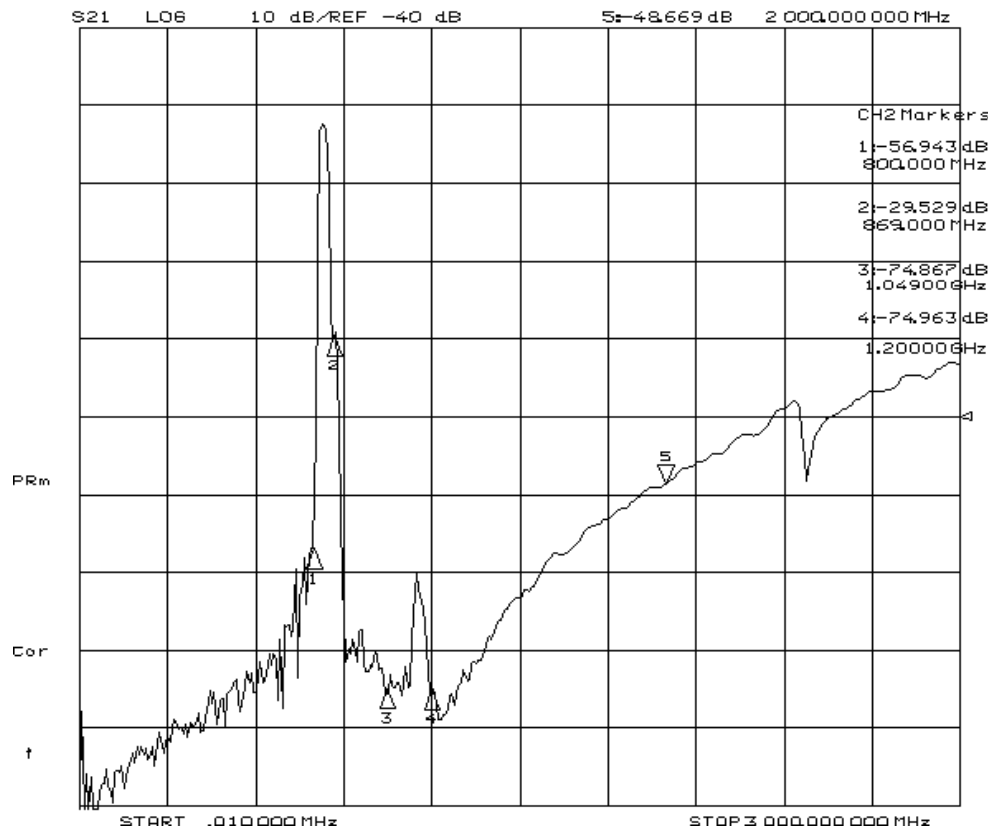
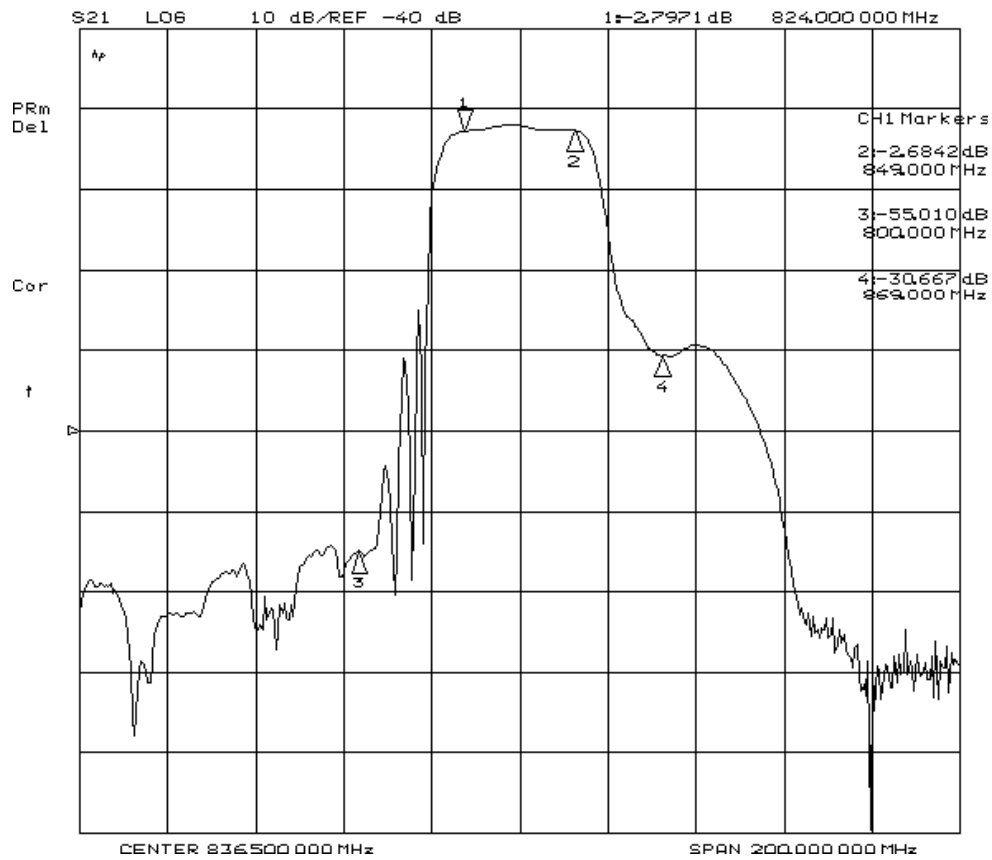
△ : Year Code (2006->6, ..., 2009->9)

□ : Date Code (W01->A, W02->B, ..., W27->a, ..., W52->z)

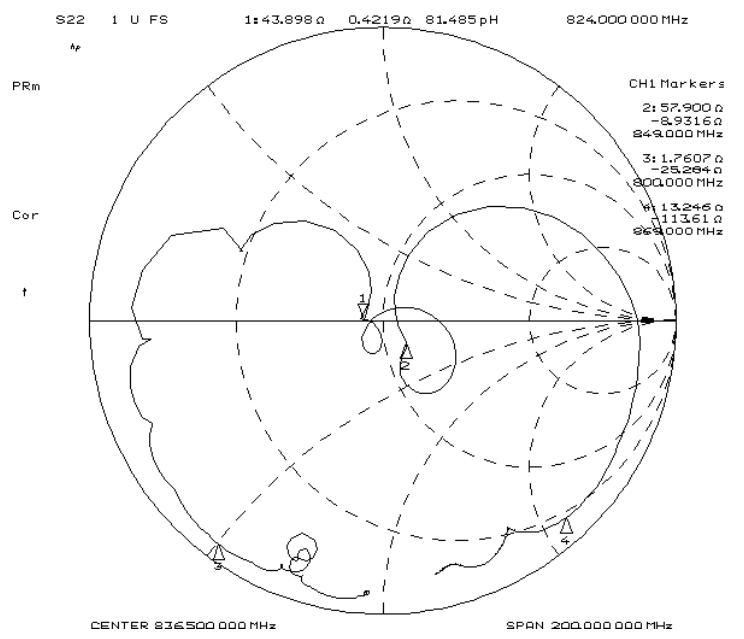
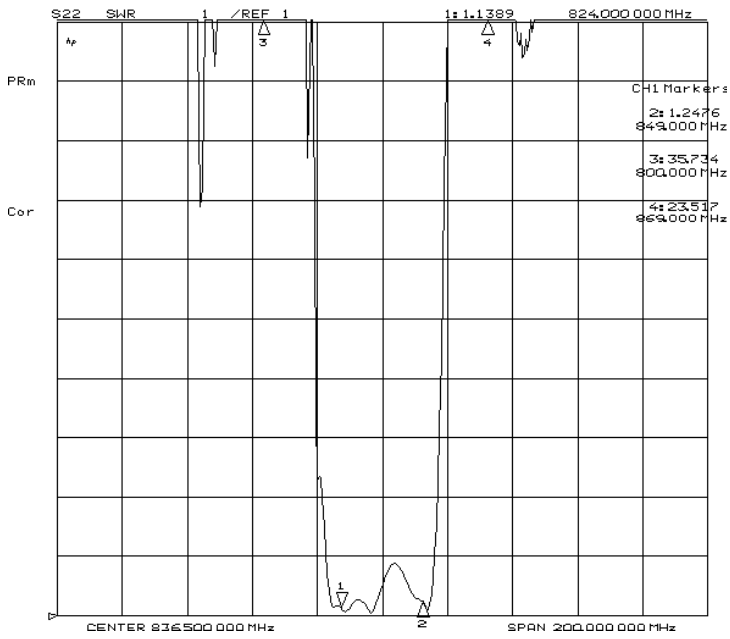
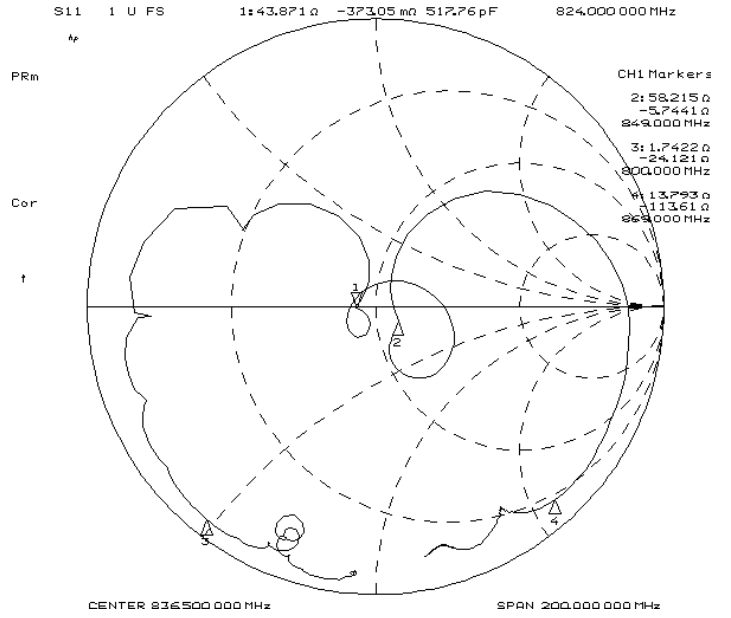
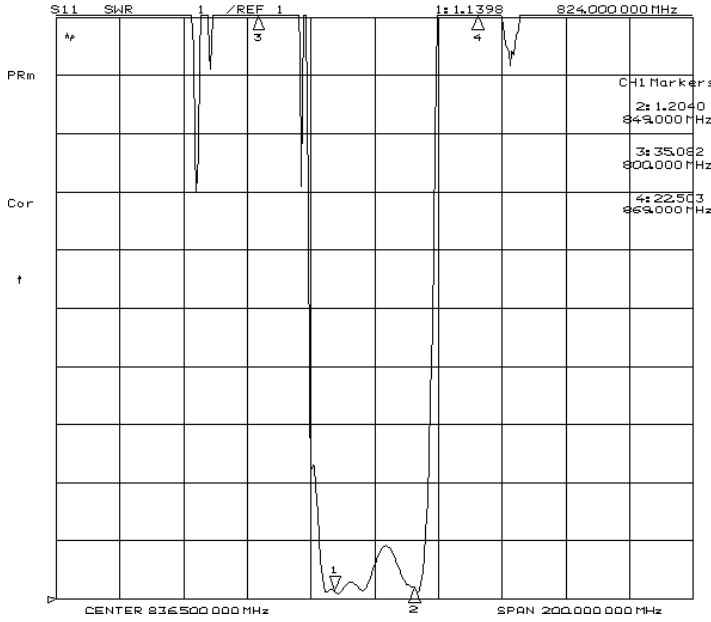
**E. PCB Footprint:**



## F. FREQUENCY RESPONSE:



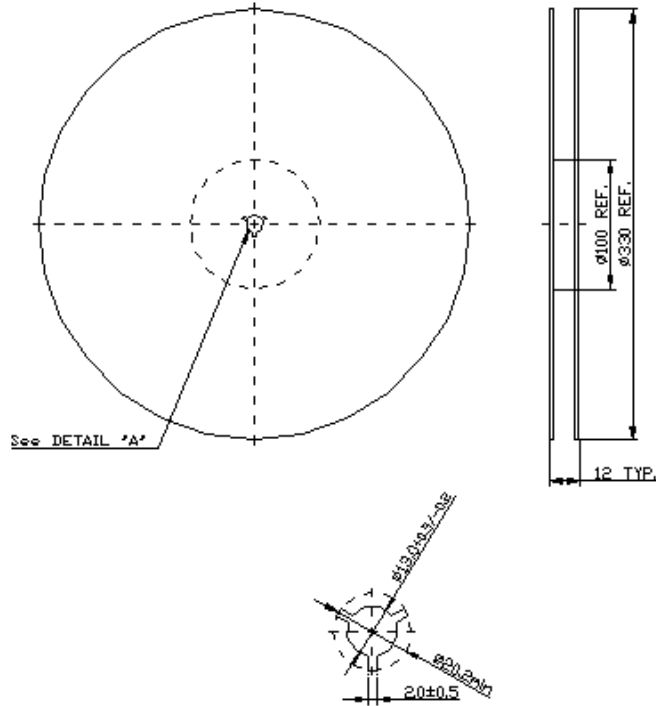
# VSWR and SMITH CHART:



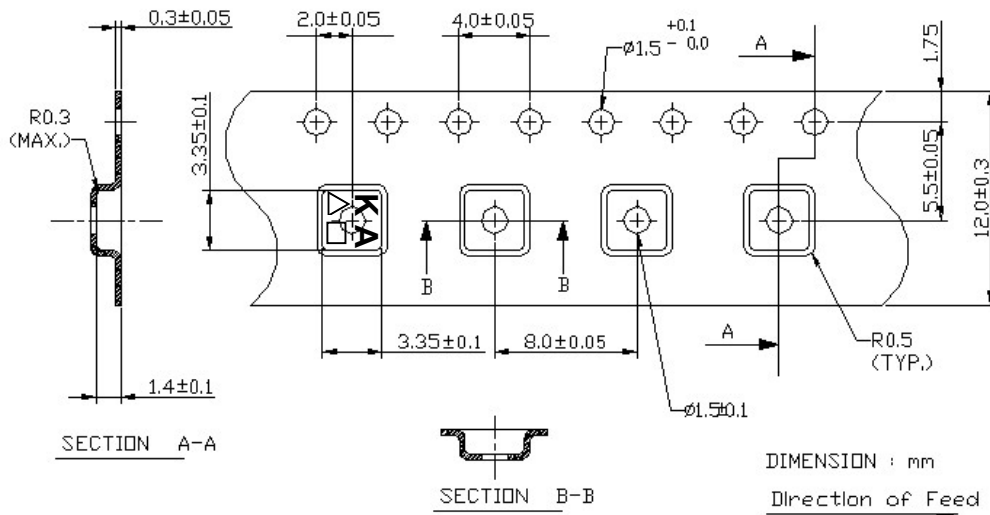
**G. PACKING:**

**1. REEL DIMENSION**

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



**2. TAPE DIMENSION**



## H. RECOMMENDED REFLOW PROFILE :

