



TAI-SAW TECHNOLOGY CO., LTD.

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

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

TST Part No.: TA836GGC

Customer Part No.: _____

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

Checked by: _____ Andy Yu *Andy Yu*

Approved by: _____ Bob Chau *Bob Chau*

Date: _____ 2014/6/11

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.: TA836GGC

Rev. No.:1

A. MAXIMUM RATING:

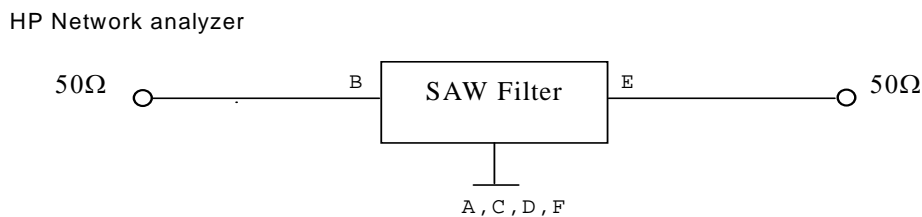
1. Input Power Level: +10 dB_m
2. DC voltage: -5~+5 V
3. Operating Temperature: -30°C ~ +85°C
4. Storage Temperature: -40°C ~ +85°C

RoHS Compliant
Lead free
Lead-free soldering

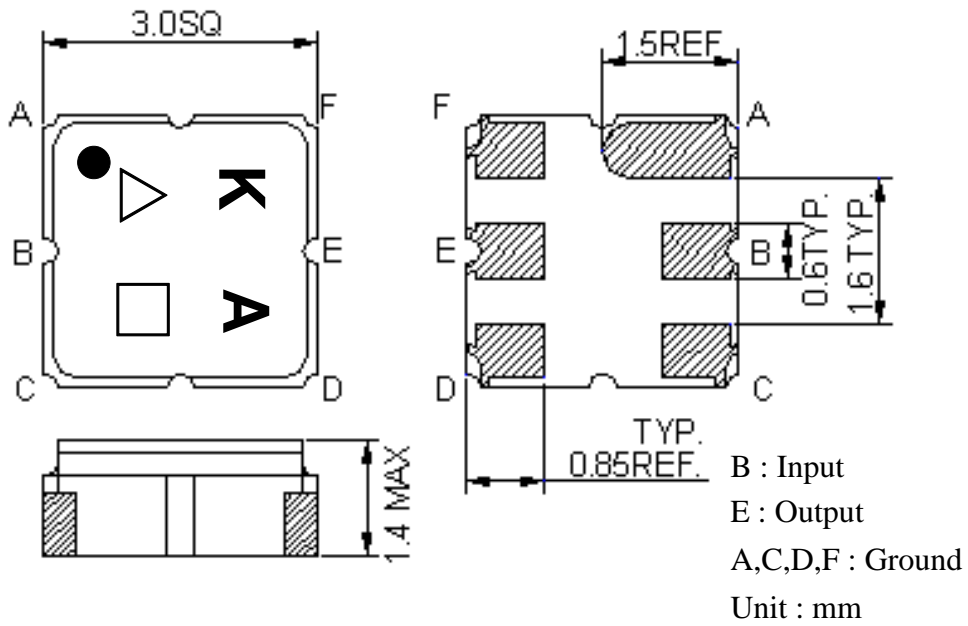
B. ELECTRICAL CHARACTERISTICS:

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	-
Attenuation: (Reference level from 0 dB)				
1) D.C. ~ 800 MHz dB	50	55	-	-
2) 859 ~ 869 MHz (at +25°C only) dB	15	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:



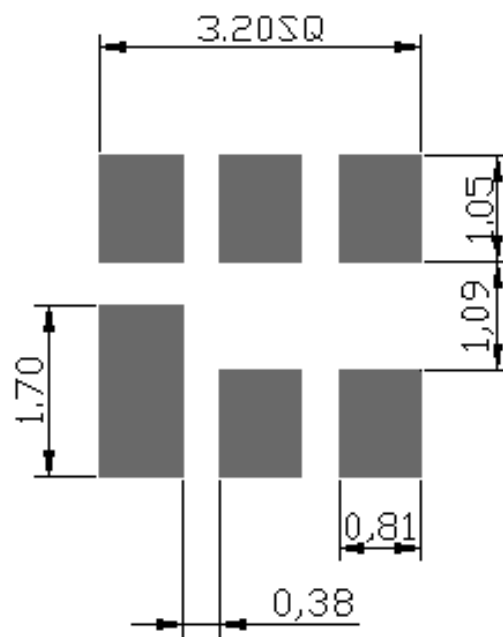
D. OUTLINE DRAWING:



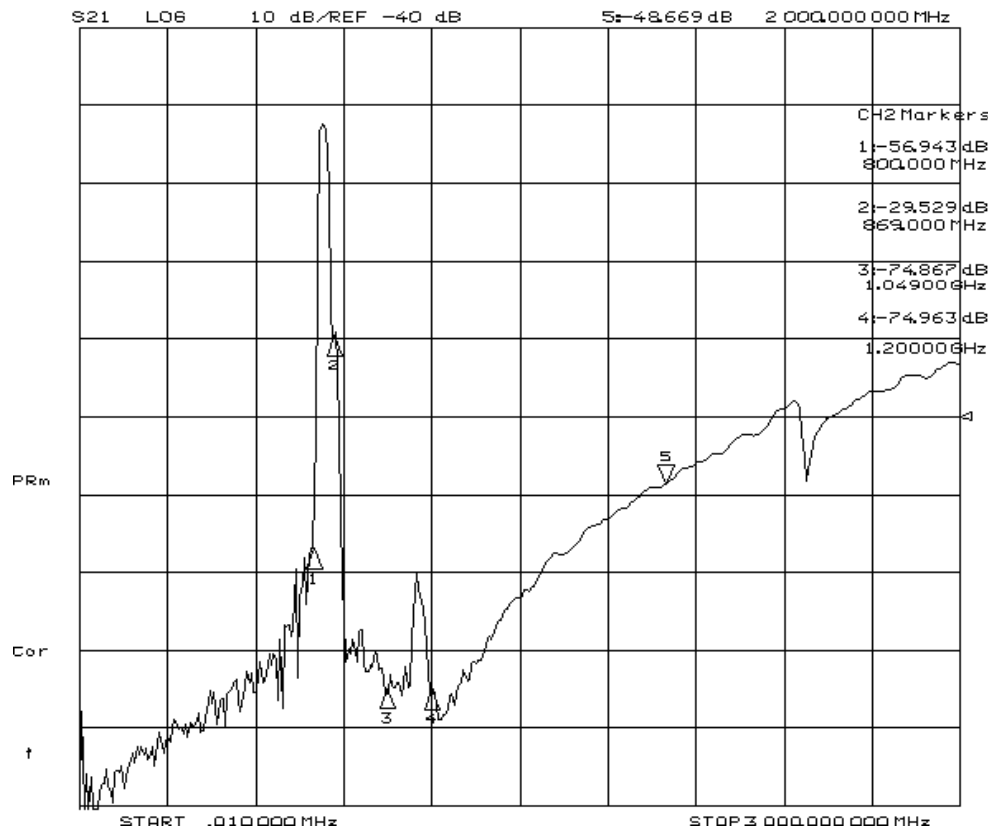
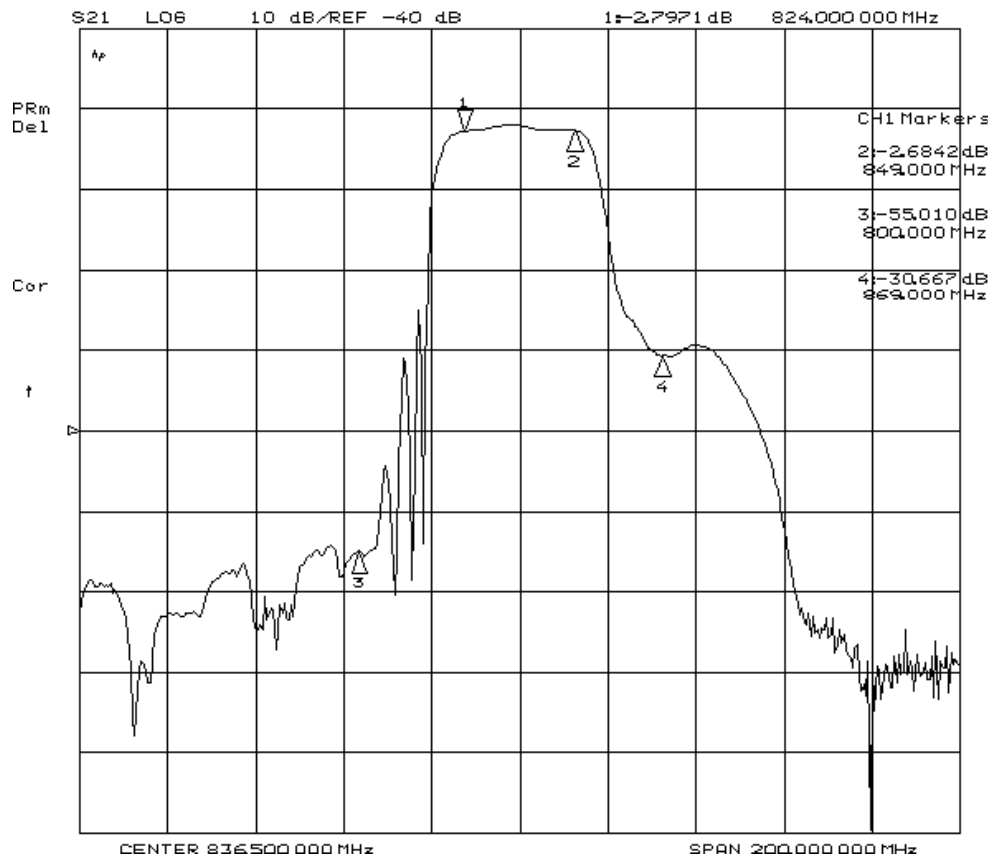
△ : Year Code (2006->6, ..., 2014->4)

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

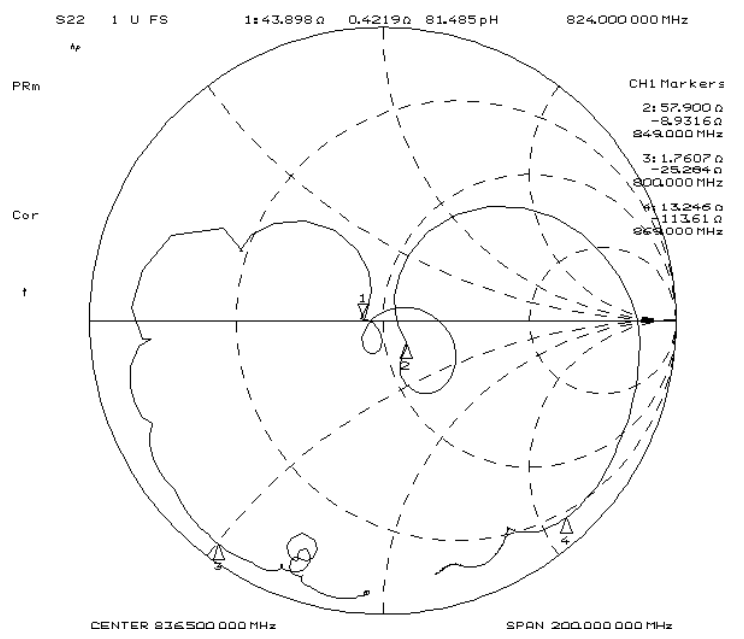
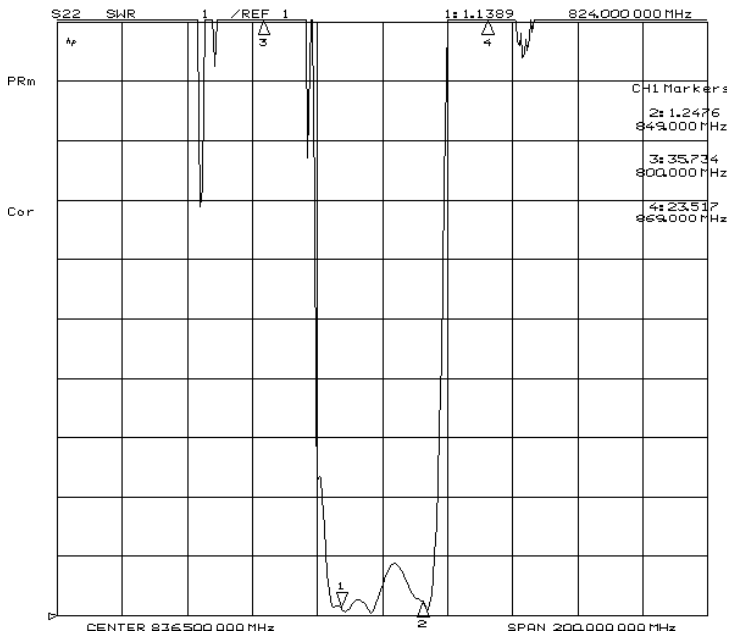
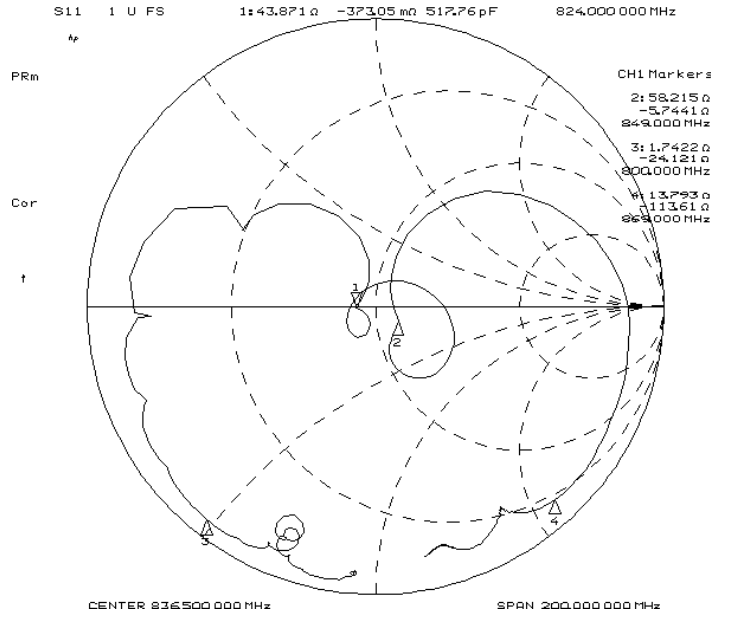
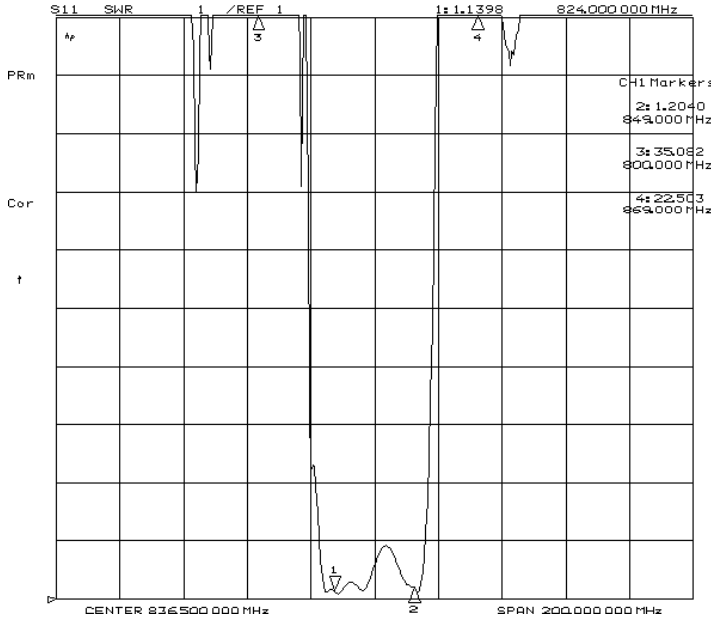
E. PCB Footprint:



F. FREQUENCY RESPONSE:



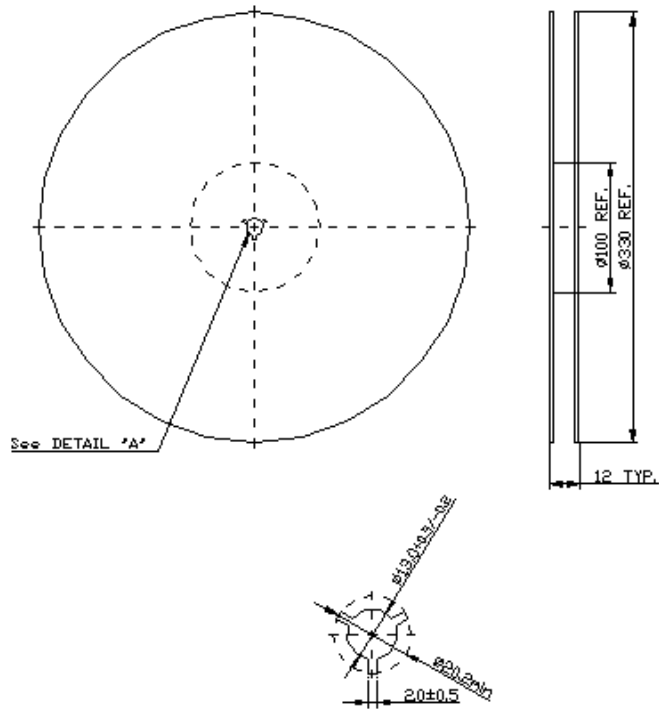
VSWR and SMITH CHART:



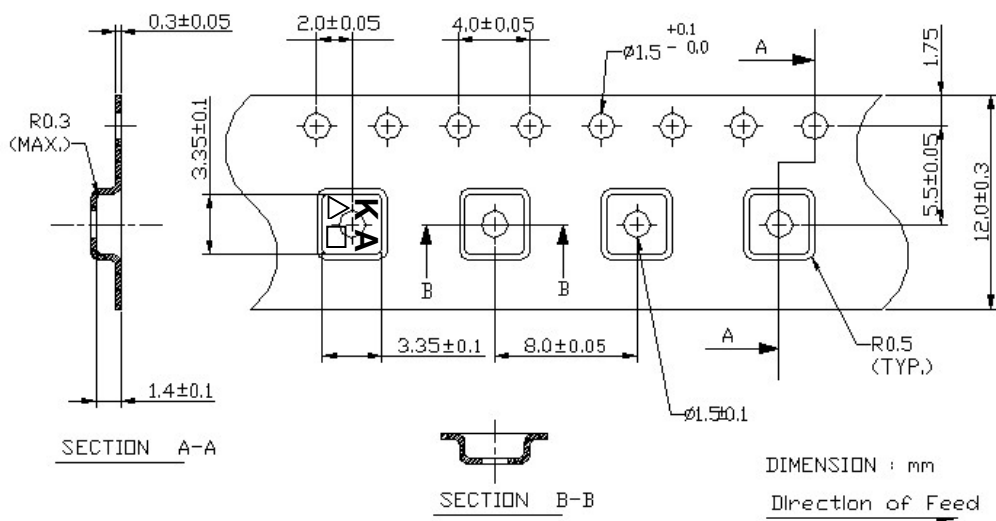
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

