



# 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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## Approval Sheet For Product Specification

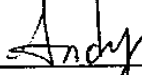
Issued Date:

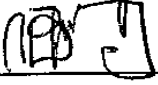
Product Name: SAW Filter 866MHz SMD 3.0x3.0mm

TST Parts No.:TA0801A

Customer Parts No.: \_\_\_\_\_

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: Andy Yu 

Approval by: Francis Chen 

Date: 2009/08/12

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 866 MHz

MODEL NO.: TA0801A

REV. NO.:2.0

### A. MAXIMUM RATING:

1. Input Power Level: 18 dB<sub>m</sub>
2. DC voltage: 3 V
3. Operating Temperature: -25°C to +70°C
4. Storage Temperature: -30°C to +85°C

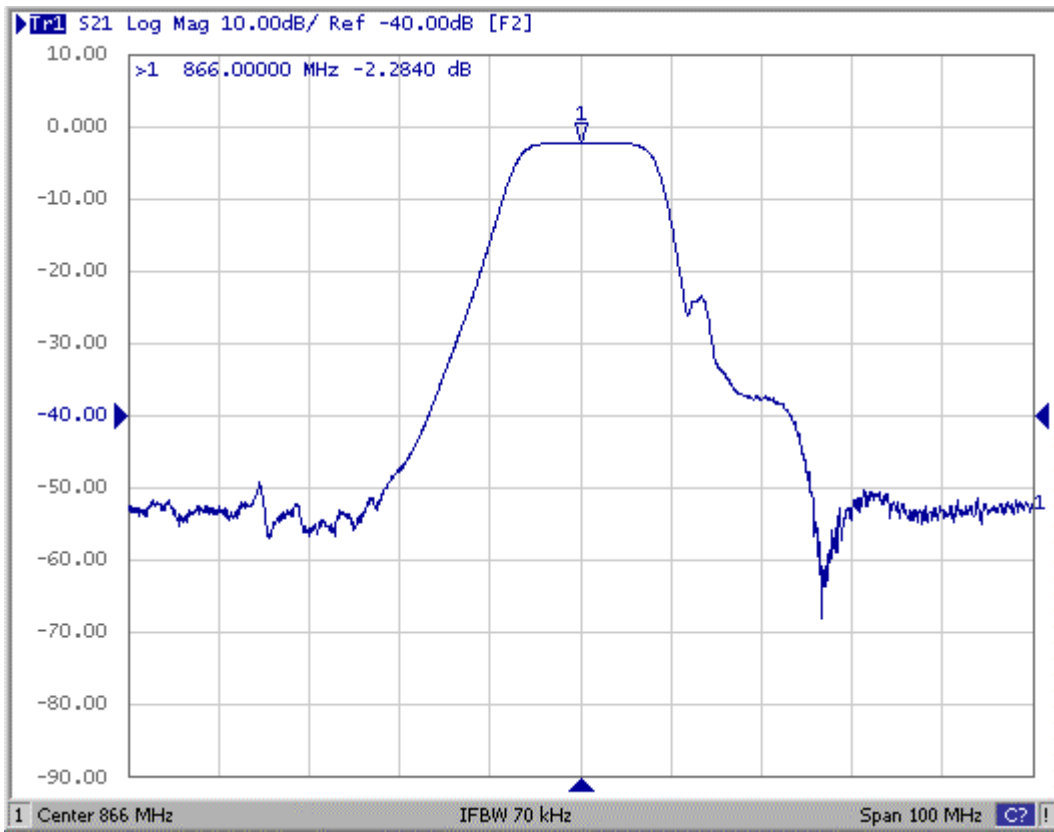
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

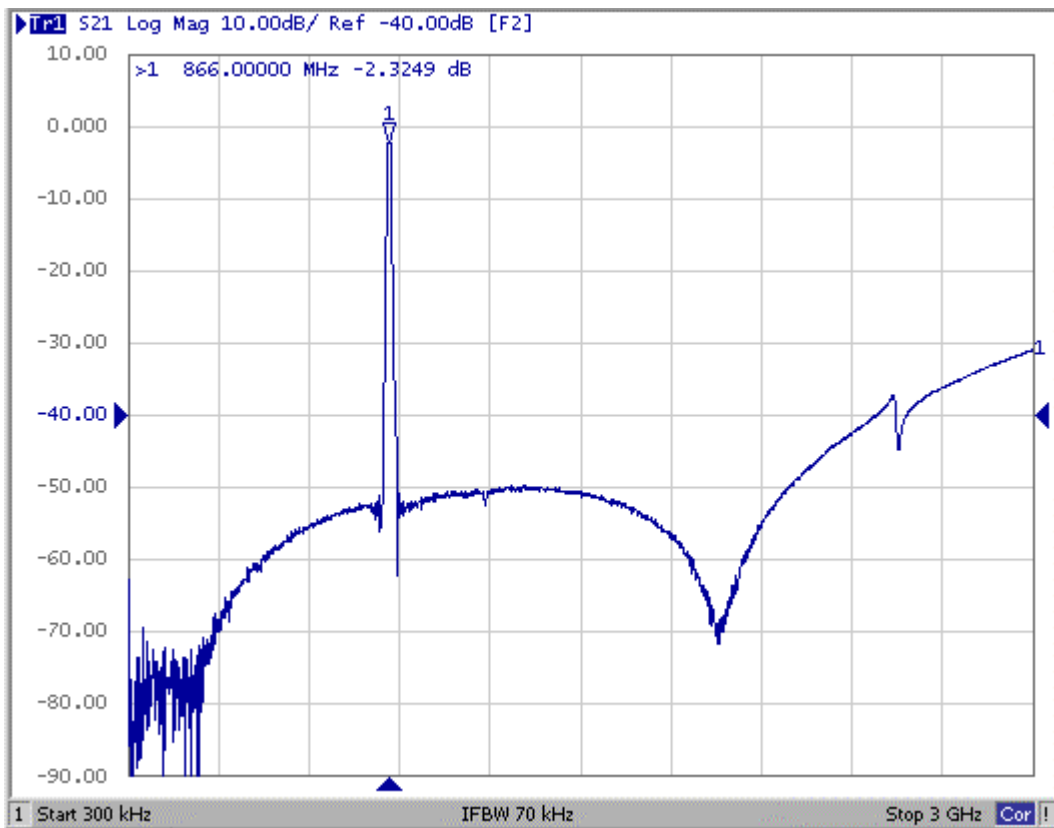
Item	Unit	Min.	Type.	Max.
Center frequency Fo	MHz	-	866	-
Insertion loss at Fc Amax	dB	-	2.3	3.0
Ripple ( 863~870 MHz )	dB	-	0.3	1.3
VSWR (863~870 MHz)		-	1.2	2.0
<b>Attenuation (Reference level from Amax)</b>				
10 ~ 830 MHz	dB	45	49	-
830 ~ 850 MHz	dB	22	35	-
885 ~ 905 MHz	dB	27	35	-
905 ~ 950 MHz	dB	45	49	-
950 ~ 1500 MHz	dB	40	47	
1500 ~ 3000 MHz	dB	25	28	
Temperature coefficient of frequency TCf		-36 ppm / °C		

### C. Frequency Characteristics :

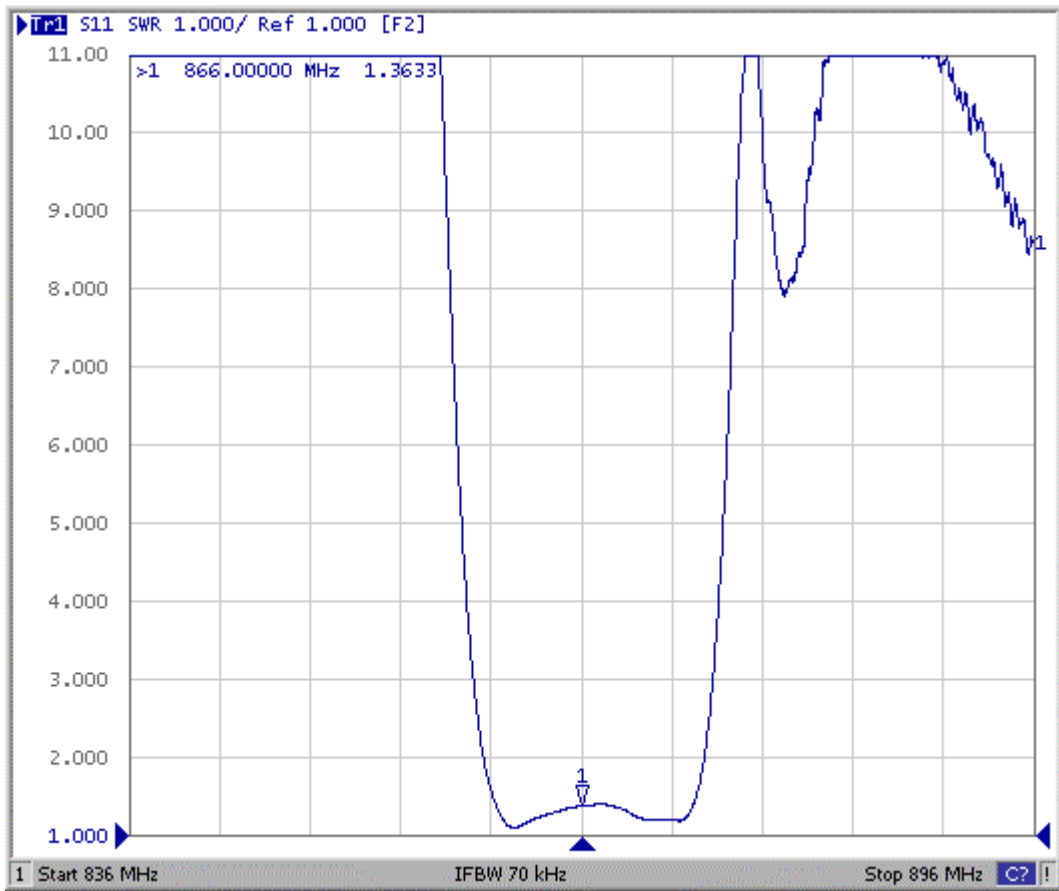
(1) wide band Response:(span 100MHz)



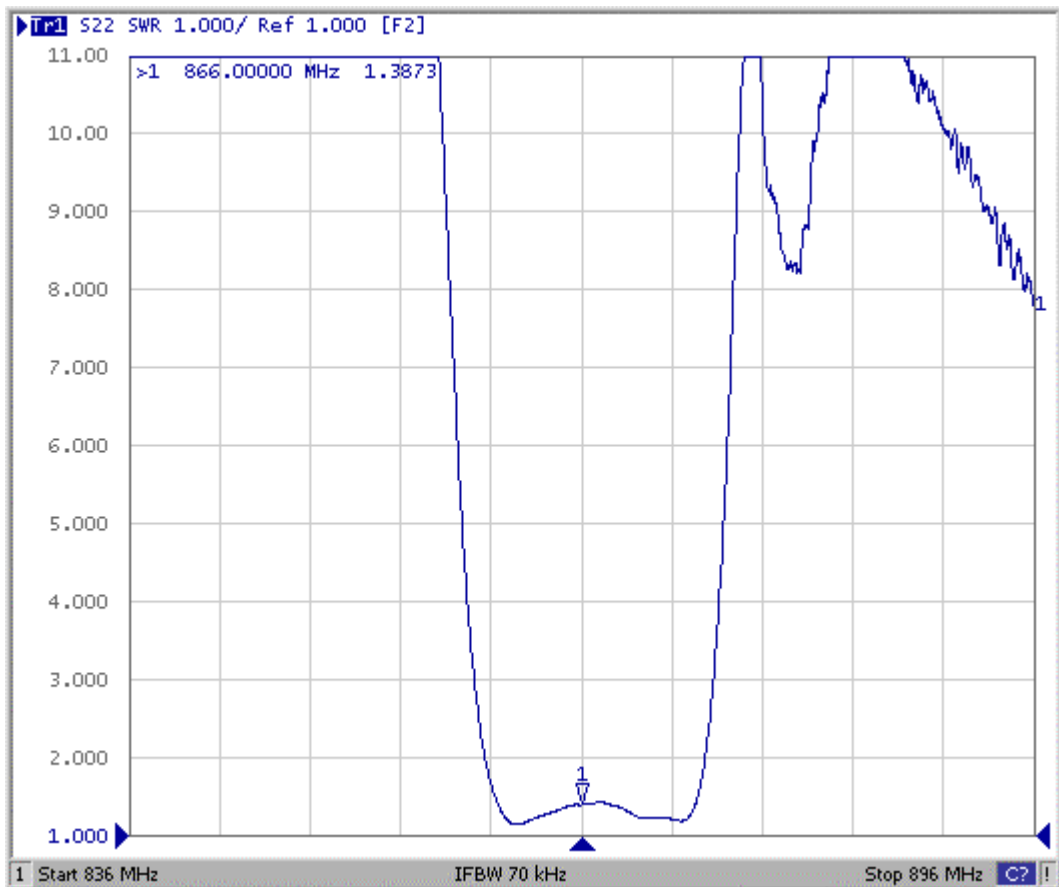
(2) wide band Response:(300k ~ 3GHz)



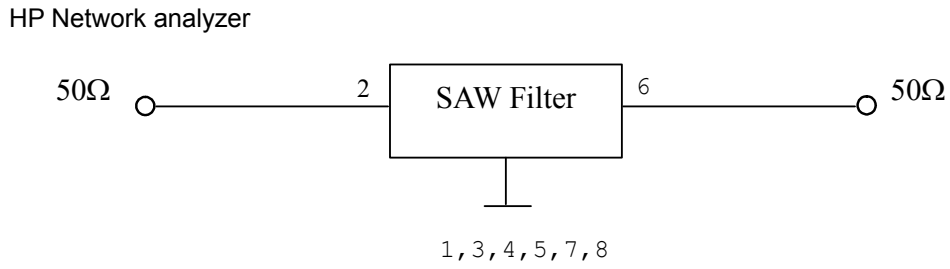
(3) S11 VSWR Variation: (span 60MHz)



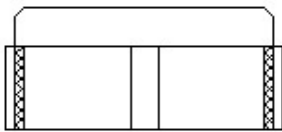
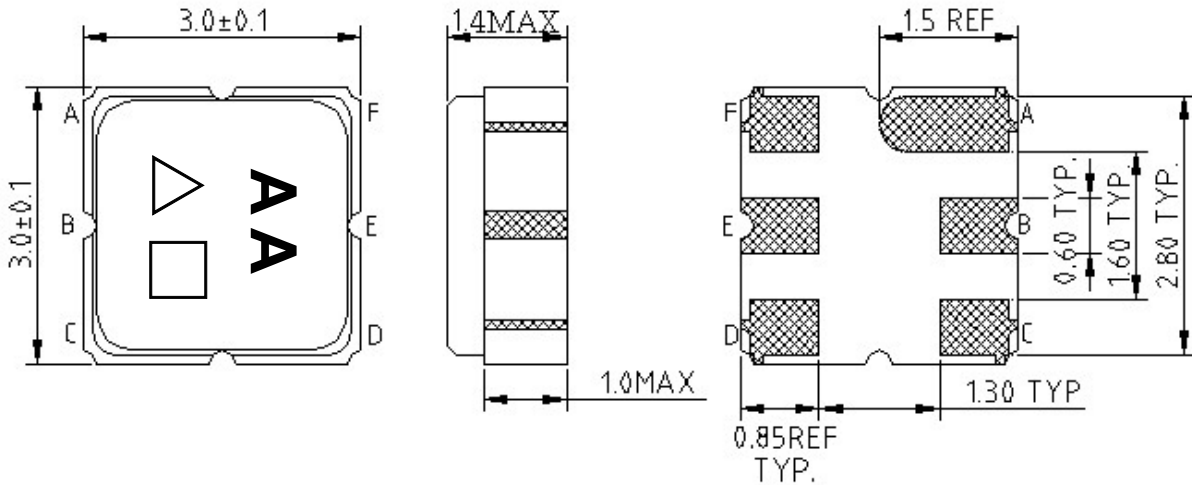
(4) S22 VSWR Variation: (span 60MHz)



**D. MEASUREMENT CIRCUIT:**



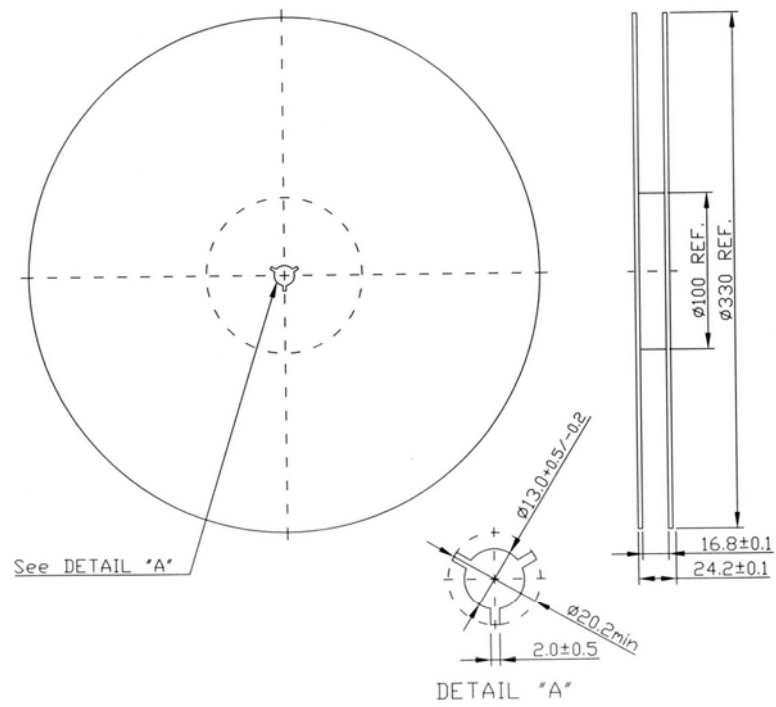
**E. OUTLINE DRAWING:**



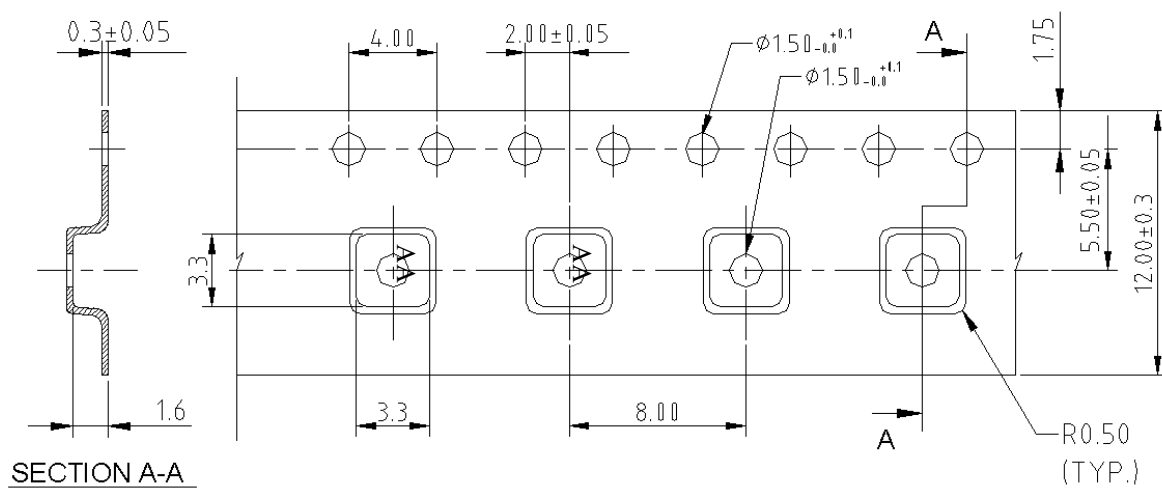
- #B: Input
- #E: Output
- #1,3,4,5,7,8: Ground
- △: Year code (ex 2008→8)
- : Date code
- Unit: mm

## F. PACKING:

### 1. REEL DIMENSION



### 2. TAPE DIMENSION



**G. RECOMMENDED REFLOW PROFILE :**

