



# 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)

## Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 869MHz SMD 3.0x3.0 mm

TST Parts No.:TA0296A

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

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

Checked by: \_\_\_\_\_ Elvis Chiu

Approval by: \_\_\_\_\_ Francis Chen

Date: \_\_\_\_\_ 2004/09/02



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## SAW Filter 869 MHz

MODEL NO.: TA0296A

REV. NO.:3

### A. MAXIMUM RATING:

1. Input Power Level: 17 dB<sub>m</sub>
2. DC voltage: 3 V
3. Operating Temperature: -10°C to +60°C
4. Storage Temperature: -40°C to +85°C

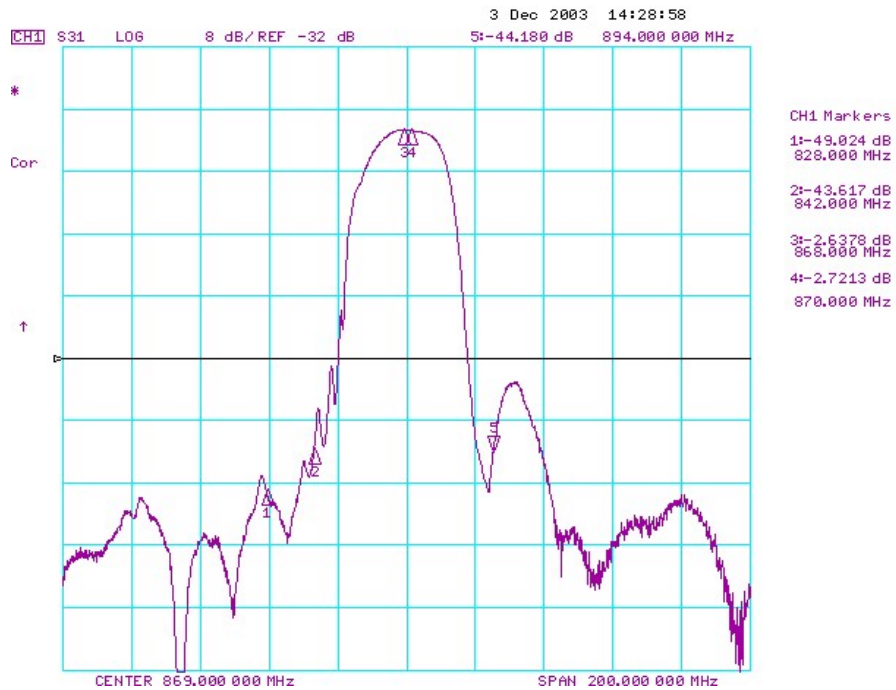
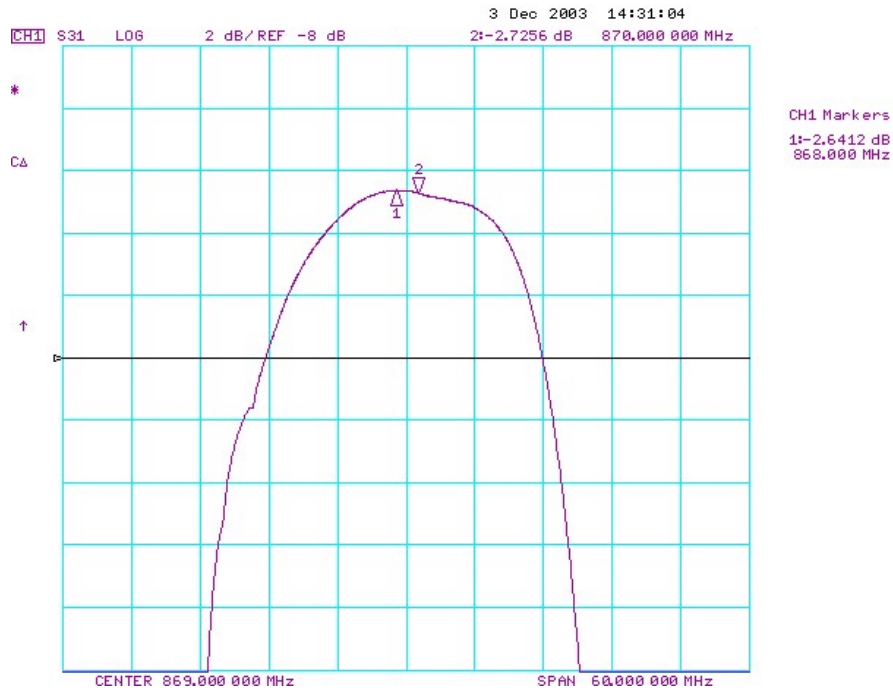
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

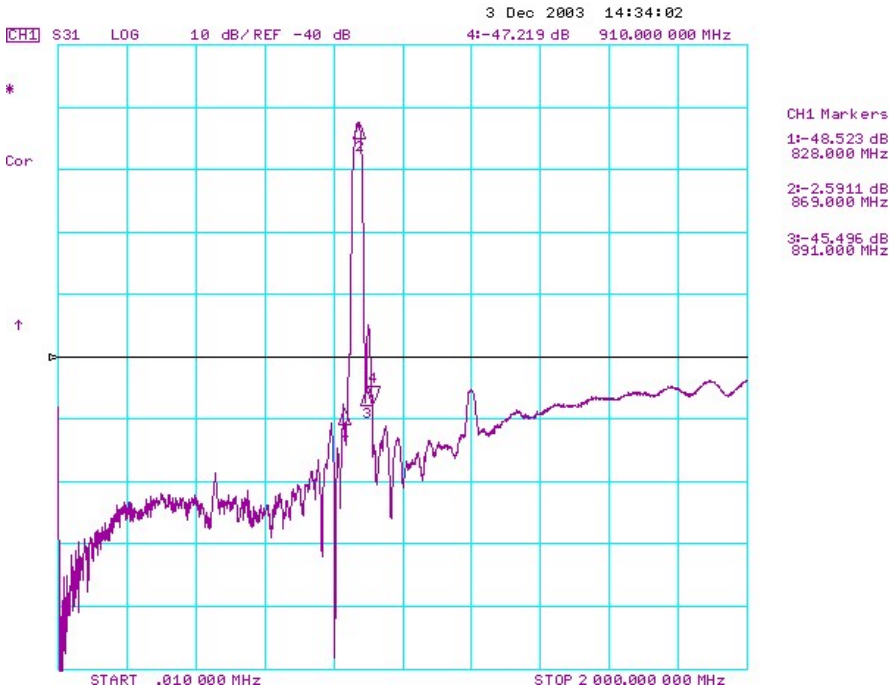
Item		Specification				
		Unit	Min.	Typ.	Max.	
Center Frequency		MHz	-	869	-	
Insertion Loss	868 ~ 870 MHz	dB	-	2.8	4.0	
Ripple	868 ~ 870 MHz	dB	-	0.2	1.5	
Absolute Attenuation						
	825 ~ 828 MHz	MHz	dB	40	47	-
	835 ~ 842 MHz	MHz	dB	30	39	-
	891 ~ 894 MHz	MHz	dB	30	42	-
	910 ~ 913 MHz	MHz	dB	40	47	-
Source impedance	Z <sub>s</sub>	Ω	-	50	-	
Load impedance	Z <sub>L</sub>	Ω	-	50	-	

Note1. No matching network required for operation at 50 Ω

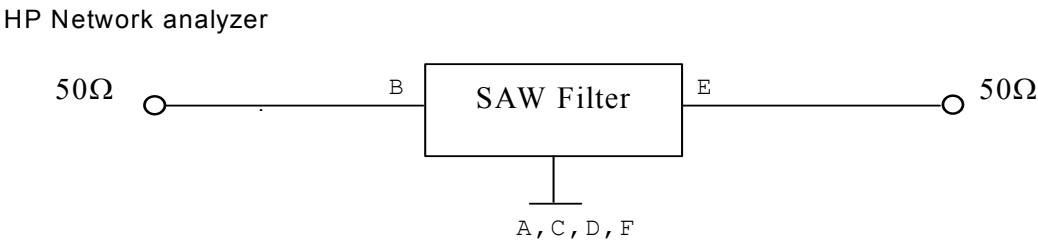
### C. Frequency Characteristics :



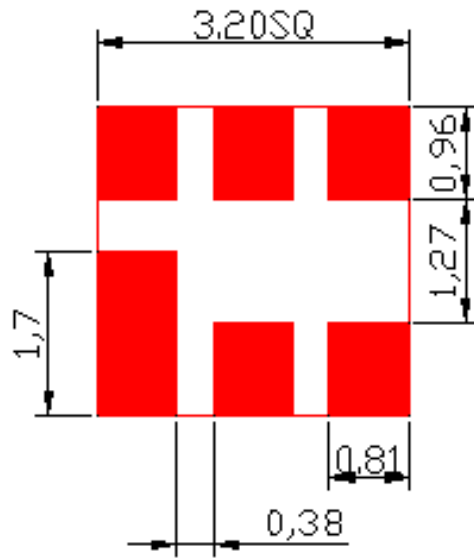
Wideband



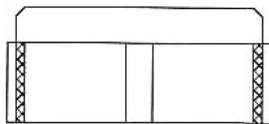
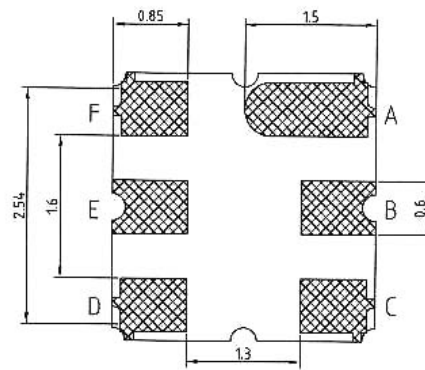
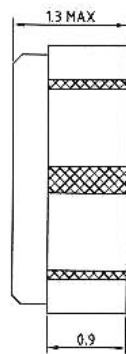
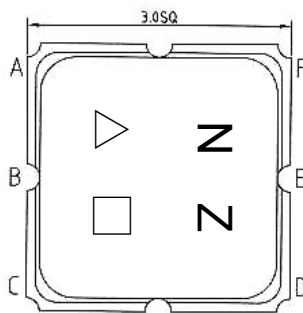
D. MEASUREMENT CIRCUIT:



**E. PCB Footprint:**



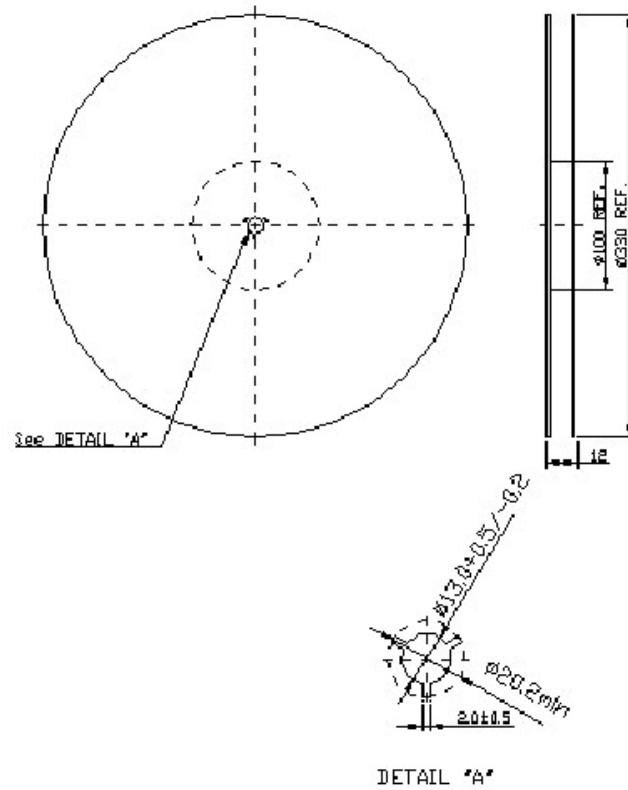
**F.OUTLINE DRAWING**



- #B : Input
- #E : Output
- #A,C,D,F : Ground
- △ : Year Code
- : Date Code
- Unit: mm

## G. PACKING:

### 1. REEL DIMENSION



### 2. TAPE DIMENSION

