



# 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: Nov, 21, 2006

Product Name: SAW Filter 162 MHz SMD 5.0X7.0 mm

TST Parts No.: TB0436A

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

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

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

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

Date: \_\_\_\_\_ 11, 21, 2006



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## SAW Filter 162MHz

MODEL NO.:TB0436A

REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 5V
3. Operating Temperature: -30°C to +75°C
4. Storage Temperature: -40°C to +85°C

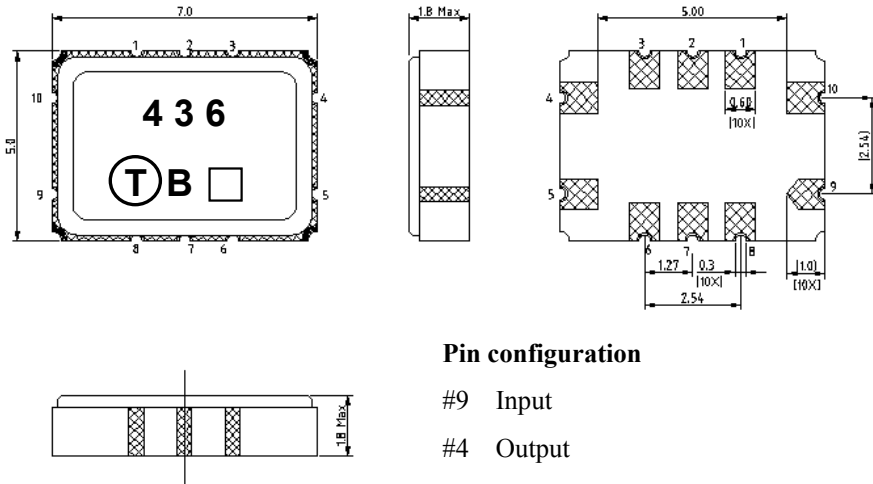
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center frequency <b>Fc</b>	MHz	-	162	-	-
Minimum Insertion Loss <b>IL</b>	dB	-	3.0	6.0	-
Passband Ripple ( <b>Fc</b> ± 20 kHz)	dB	-	0.3	3	-
3 dB Bandwidth	KHz	90	108	-	-
Group delay deviation ( <b>Fc</b> ± 20 kHz)	μ sec	-	1	12	-
<b>Relative Attenuation</b> (relative to 0 dB)					
50 dB Bandwidth	dB	-	415	450	-
<b>Temperature coefficient of frequency TCf</b>		-0.032 ppm/C <sup>2</sup>			

Note1. Considering -15 KHz frequency shift from -30°C to +75°C

**C.OUTLINE DRAWING:**



**Pin configuration**

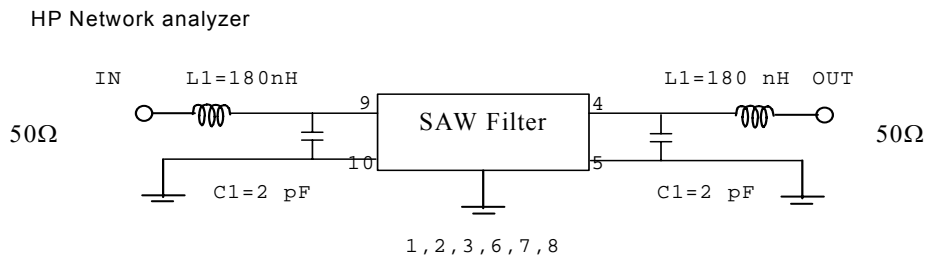
- #9 Input
- #4 Output
- #10 Balance input or input ground
- #5 Balance output or output ground
- #1,2,3,6,7,8 To be grounded
- Date code
- Unit mm

**Product Year Code**

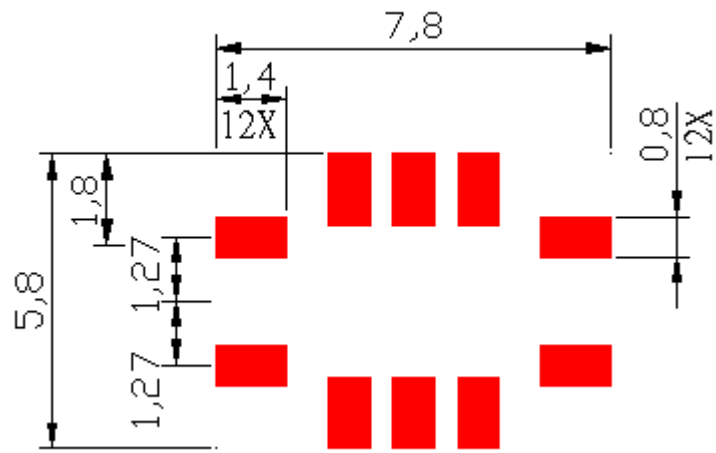
Year	2001	2002	2003	2004
	2005	2006	2007	2008
Product Code	B	b	<u>B</u>	<u>b</u>

**D. MEASUREMENT CIRCUIT:**

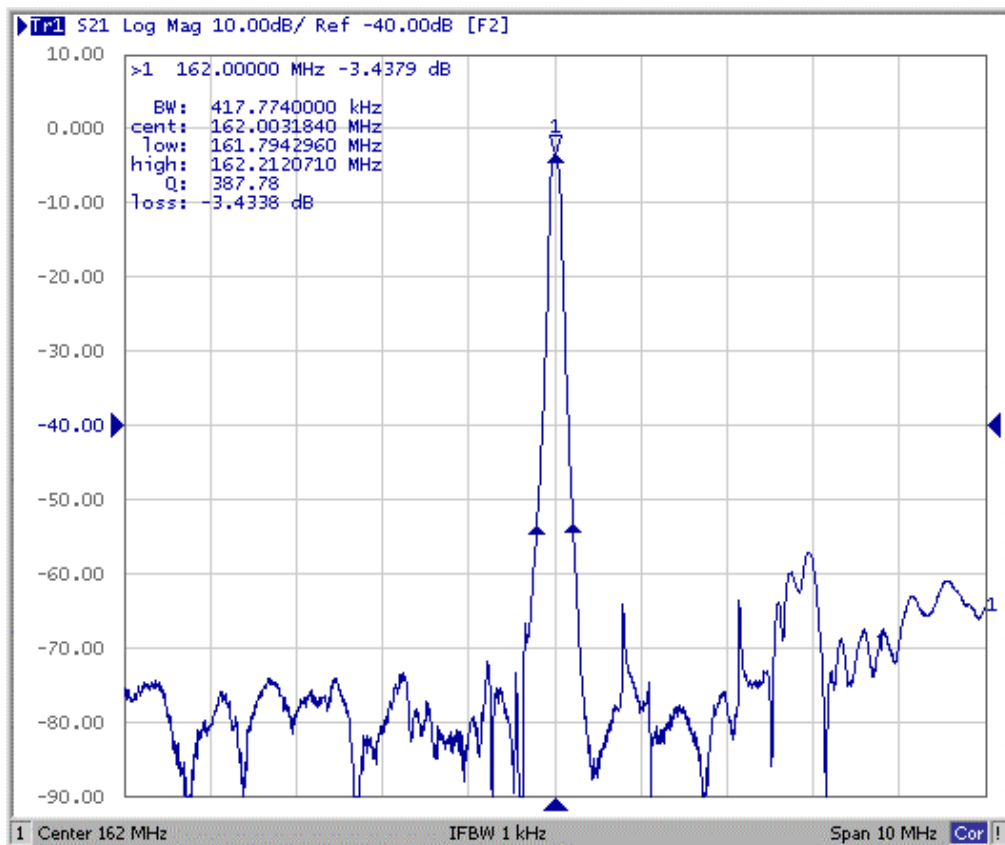
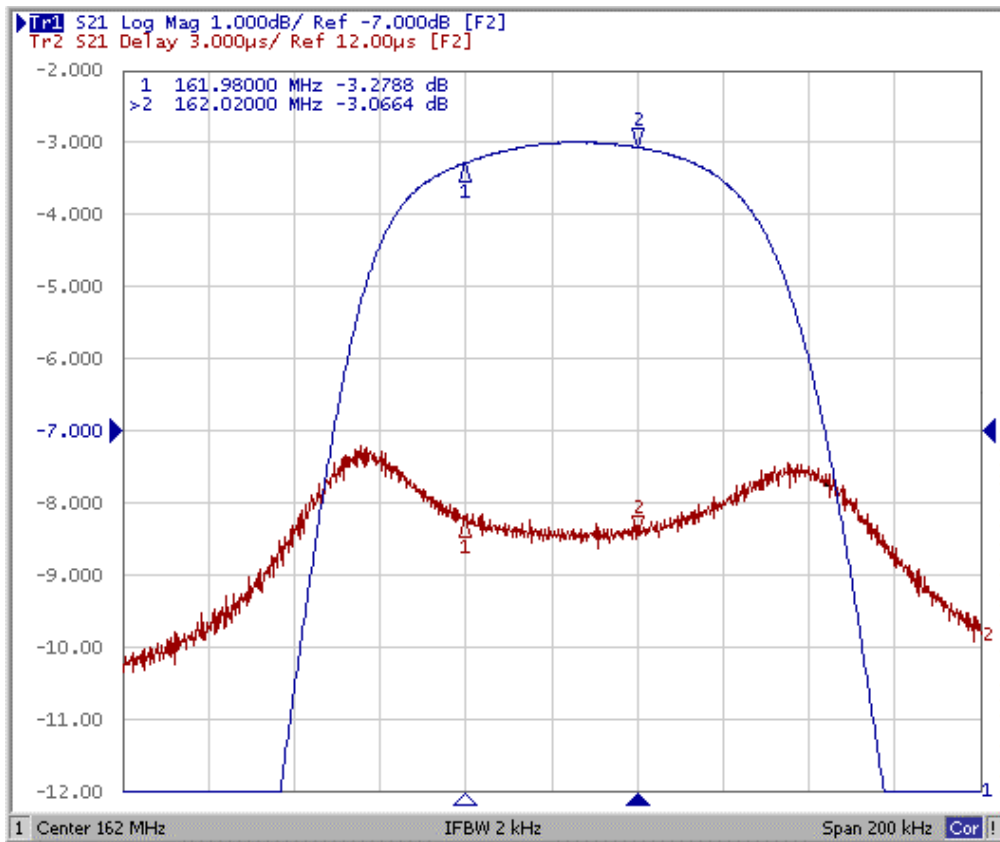
**50 Ohm Test circuit ( single-ended / single-ended )**



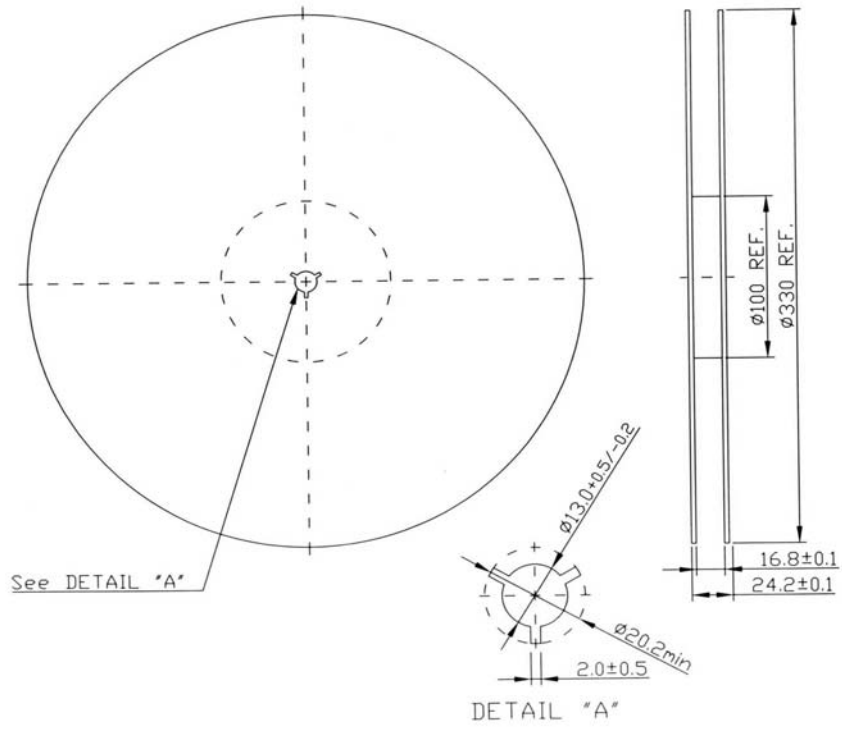
### E. PCB Footprint:



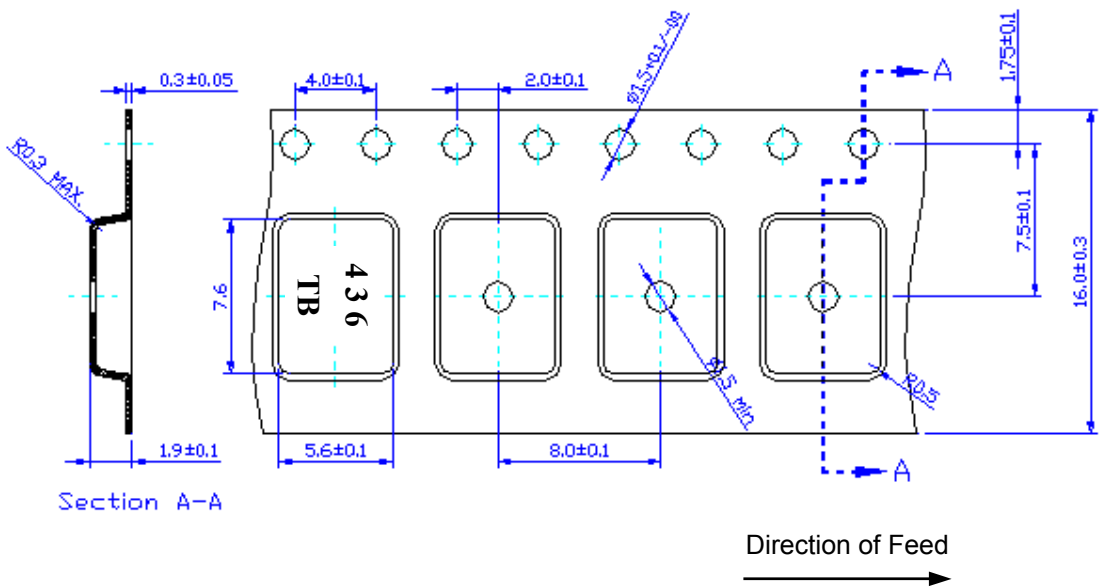
## F. Frequency Characteristics :



**G. PACKING:**  
**1. REEL DIMENSION**



**2. TAPE DIMENSION**



**H. RECOMMENDED REFLOW PROFILE :**

