



# TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,  
Taoyuan, 324, Taiwan, R.O.C.

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## Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 184MHz SMD 7.0×5.0 mm

TST Parts No.:TA0378A

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

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

Checked by: \_\_\_\_\_ Asin Lin

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

Date: \_\_\_\_\_ 2003/08/20



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## SAW Filter 184 MHz

MODEL NO.: TA0378A

REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: 10 dB<sub>m</sub>
2. DC voltage: 5 V
3. Operating Temperature: -10°C to +70°C
4. Storage Temperature: -40°C to +85°C

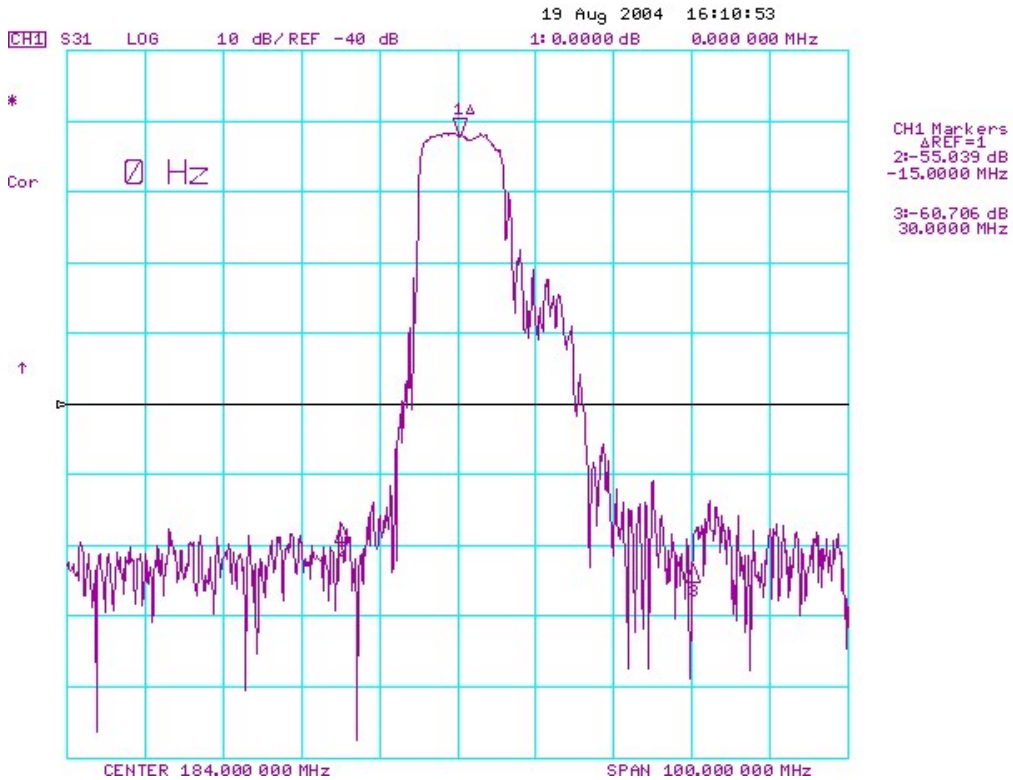
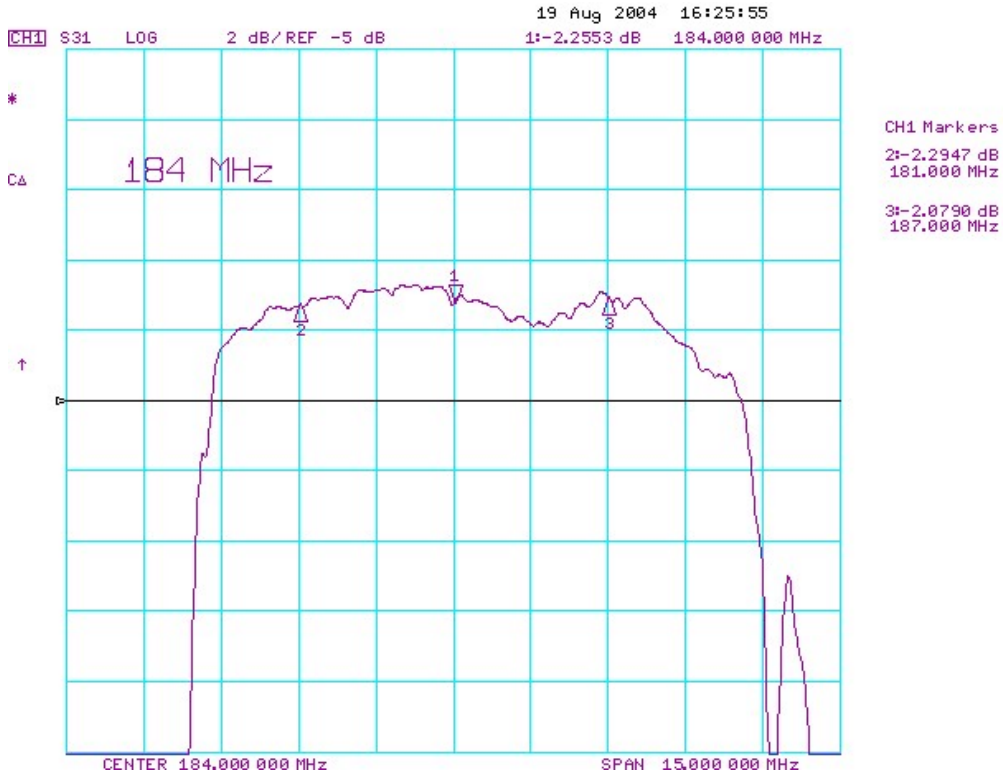
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

Item		Specification			
		Unit	Min.	Typ.	Max.
Center Frequency	F <sub>c</sub>	MHz	-	184	-
Insertion Loss	IL <sub>min</sub> (reference level)	dB	-	1.6	2.8
Bandwidth	BW <sub>-3dB</sub>	MHz	6	10	-
Absolute Attenuation(reference to IL <sub>min</sub> dB)					
F <sub>c</sub> -50 ~ F <sub>c</sub> -30	MHz	dB	42	54	-
F <sub>c</sub> -30 ~ F <sub>c</sub> -15	MHz	dB	36	52	-
F <sub>c</sub> +30 ~ F <sub>c</sub> +50	MHz	dB	42	51	-
Source impedance	Z <sub>s</sub>	Ω	-	50	-
Load impedance	Z <sub>L</sub>	Ω	-	50	-

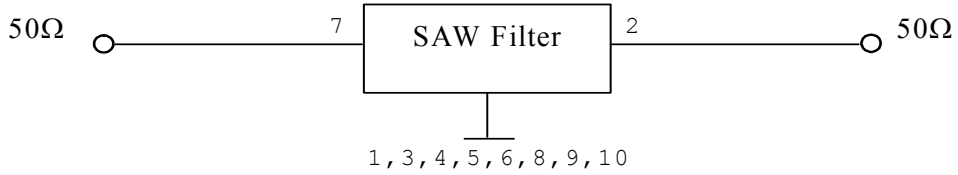
Note: IL<sub>min</sub> is the minimum of the pass band attenuation. The center frequency F<sub>c</sub> is the mean value of the upper and lower frequencies at the 3dB filter attenuation level relative to the IL<sub>min</sub>.

### C. Frequency Characteristics :

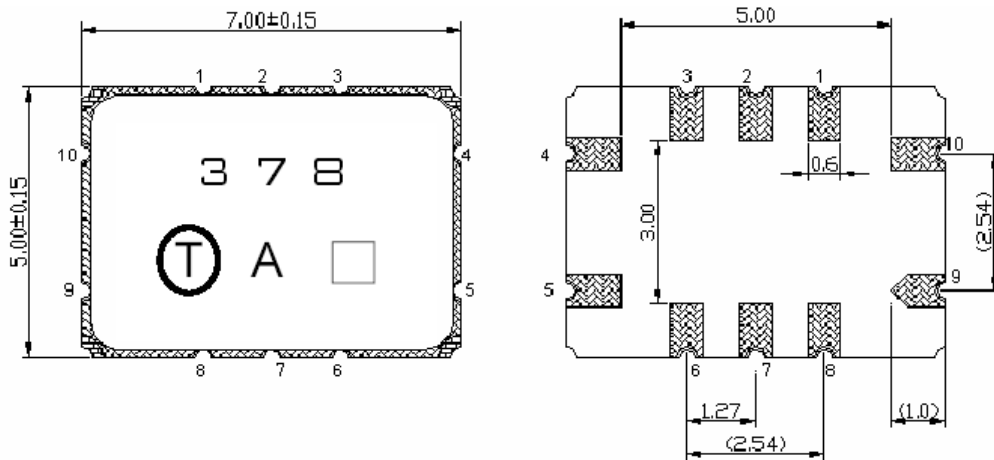


### D. MEASUREMENT CIRCUIT:

HP Network analyzer



### E. OUTLINE DRAWING:



Pin configuration:

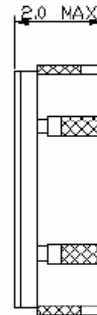
7: Input

2: Output

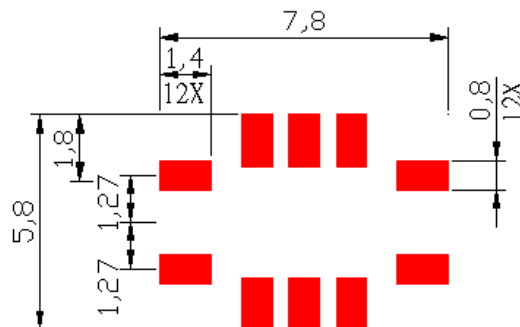
1,3,4,5,6,8,9,10: Ground

□ : Date Code

Unit: mm

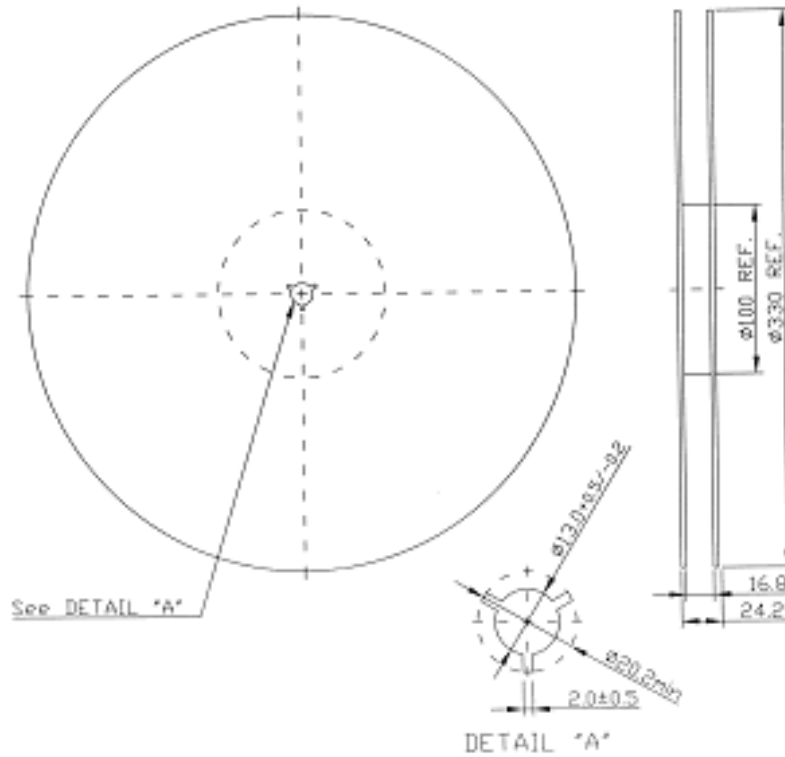


### F. PCB FOOTPRINT:



## G. PACKING:

### 1. REEL DIMENSION



### 2. TAPE DIMENSION

