



# 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: 2003/05/16

Product Name: SAW Filter 433MHz SMD 5.0×5.0 mm

TST Parts No.:TA0286A

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

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

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

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

Date: \_\_\_\_\_ 2003/05/16



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## SAW Filter 433 MHz

MODEL NO.: TA0286A

REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: 0 dB<sub>m</sub>
2. DC voltage: 10 V
3. Operating Temperature: -10°C to +50°C
4. Storage Temperature: -40°C to +85°C

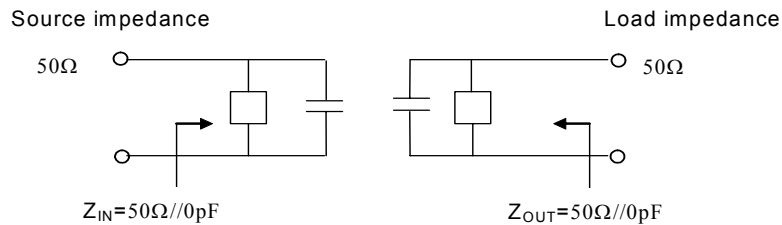
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

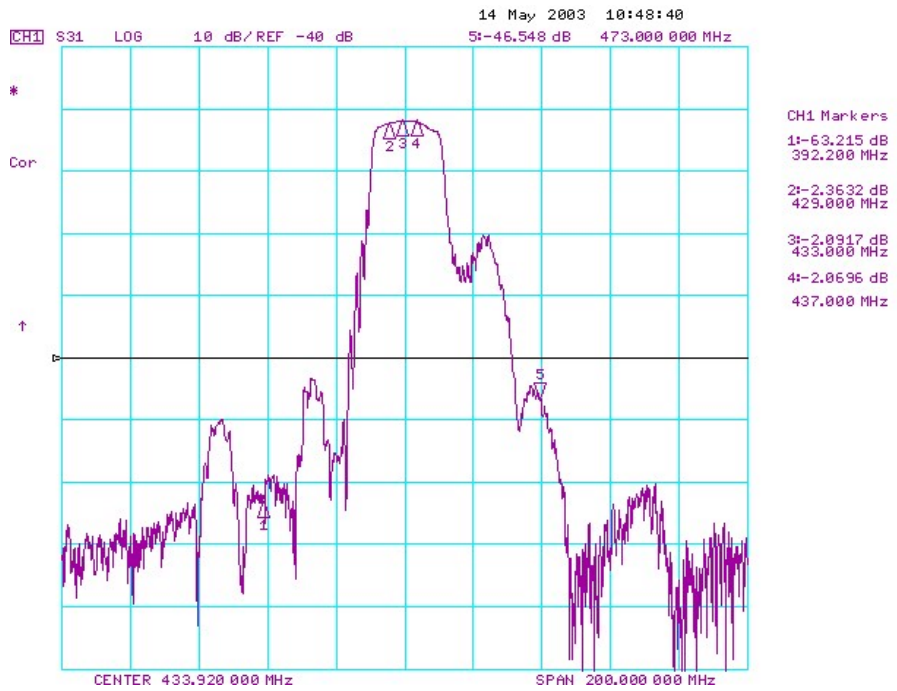
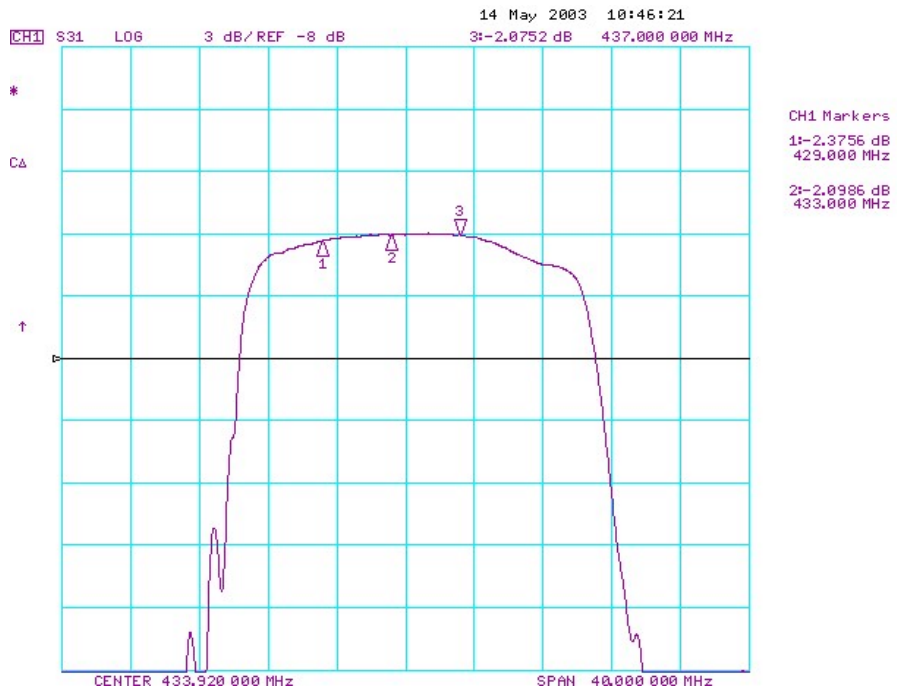
Item		Min.	Typical	Max.
<b>Center frequency</b>	<b>F<sub>c</sub></b> (dB)	-	433	-
<b>Insertion loss</b> (F <sub>C</sub> ±4 MHz)	<b>IL</b> (dB)	-	2.7	4.5
<b>Amplitude ripple</b> (F <sub>C</sub> ± 4 MHz)	(dB)	-	0.7	2.5
<b>Attenuation</b> (Reference level from 0 dB)				
F <sub>C</sub> - 100 ~ F <sub>C</sub> - 40.8 MHz	(dB)	42	50	-
F <sub>C</sub> + 40 ~ F <sub>C</sub> + 100 MHz	(dB)	40	46	-
<b>Source impedance</b>	Z <sub>s</sub> (Ω)	-	50Ω//0pF	-
<b>Load impedance</b>	Z <sub>L</sub> (Ω)	-	50Ω//0pF	-

Note1. The standard definitions is in JIS C 6703

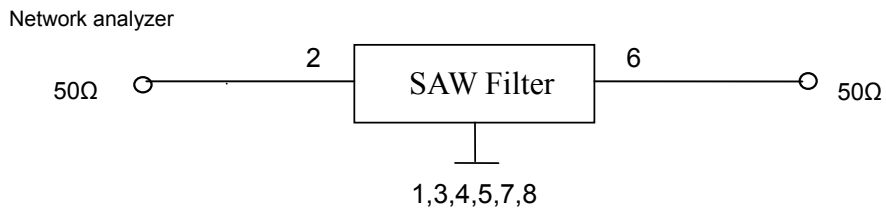
Note2.



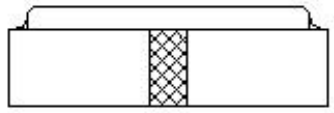
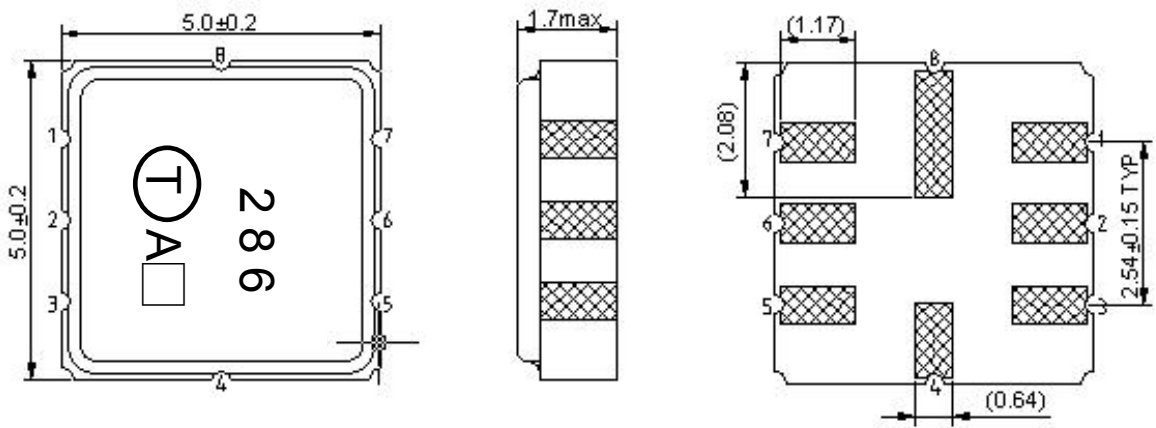
### C. Frequency Characteristics :



**D. MEASUREMENT CIRCUIT:**



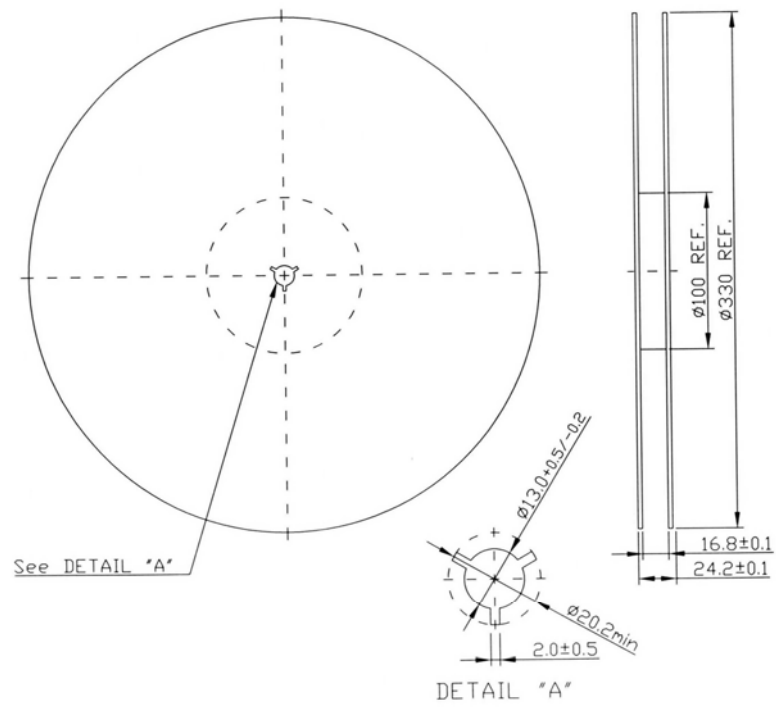
**E. OUTLINE DRAWING:**



#2: Input  
 #6: Output  
 #1,3,4,5,7,8: Ground  
 □ : Date Code  
 Unit: mm

## F. PACKING:

### 1. REEL DIMENSION



### 2. TAPE DIMENSION

