



# 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 343.5 MHz SMD 5.0 SQ

TST Parts No.: TA0188A

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

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

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

Approval by: \_\_\_\_\_ Vincent Lee

Date: \_\_\_\_\_ Feb.22,2002



# 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)

## SAW Filter 343.5 MHz

MODEL NO.: TA0188A

REV. NO.:1

### A. MAXIMUM RATING:

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

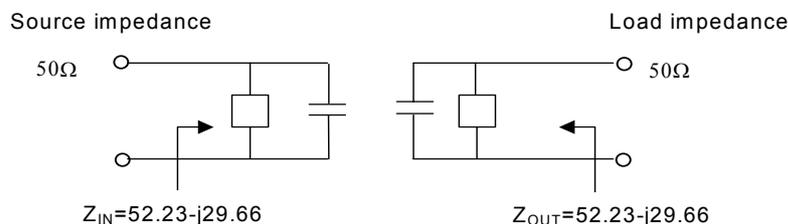
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

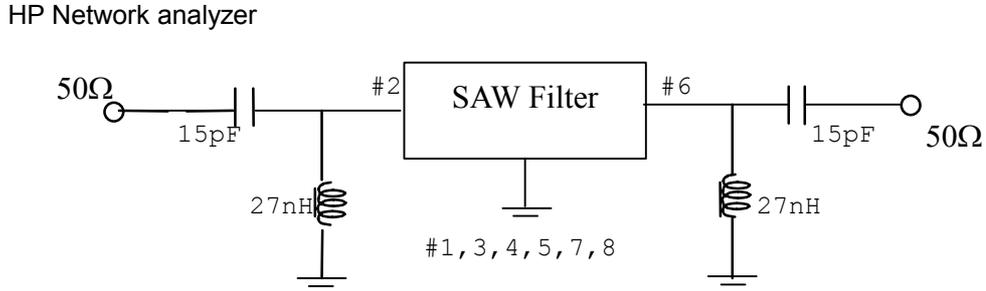
Characteristics	Min.	Typ.	Max.
Center frequency <b>F<sub>c</sub></b> (dB)	-	343.5	-
Insertion loss within 341.5 ~345.5 MHz <b>IL</b> (dB)	-	3.1	4.0
Amplitude ripple (p-p) within 341.5 ~ 345.5 MHz (dB)	-	0.9	2.0
<b>Attenuation</b> (Reference level from 0 dB)			
F <sub>c</sub> - 40 to - 9 MHz (dB)	30.0	43.0	-
F <sub>c</sub> + 9 to + 40 MHz (dB)	15.0	25.5	-
F <sub>c</sub> -100 to -40 MHz (dB)	50.0	65.0	-
F <sub>c</sub> +40 to +100 MHz (dB)	50.0	68.0	-
<b>Source impedance</b> <b>Z<sub>s</sub></b> (Ω)	-	52.23-j29.66	-
<b>Load impedance</b> <b>Z<sub>L</sub></b> (Ω)	-	52.23-j29.66	-

Note1. The standard definitions is in JIS C 6703

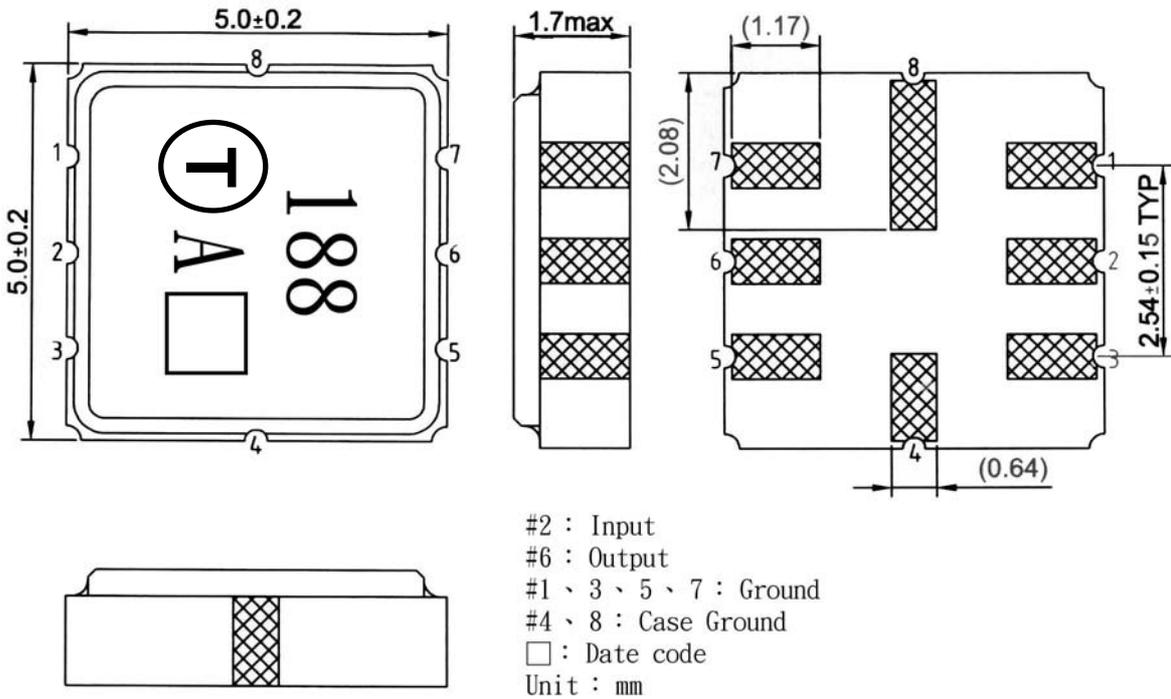
Note2.



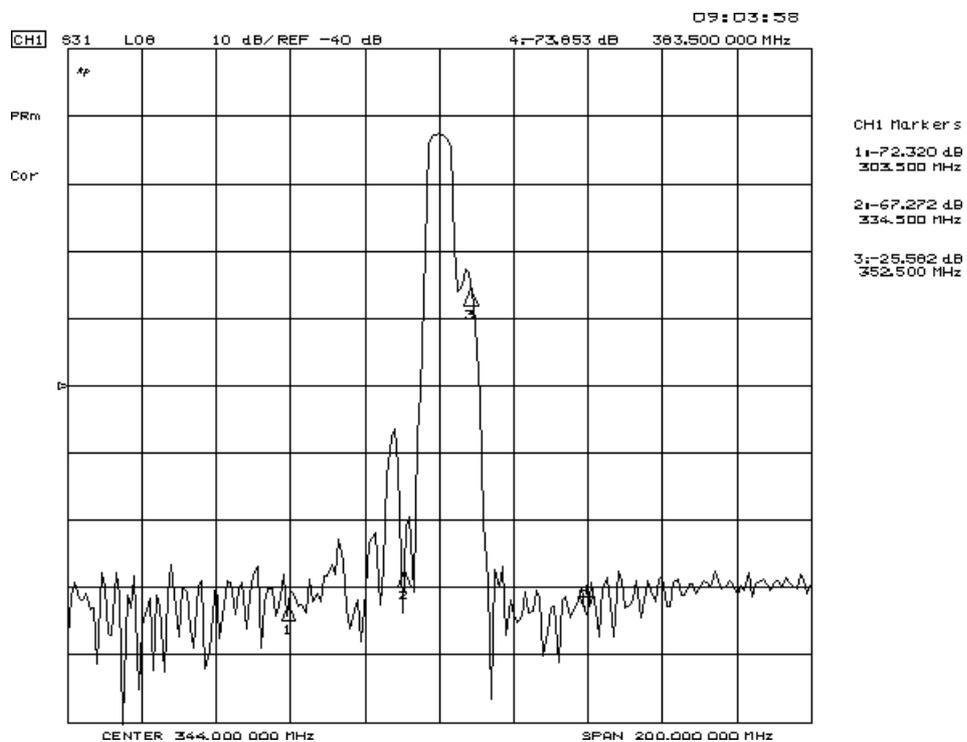
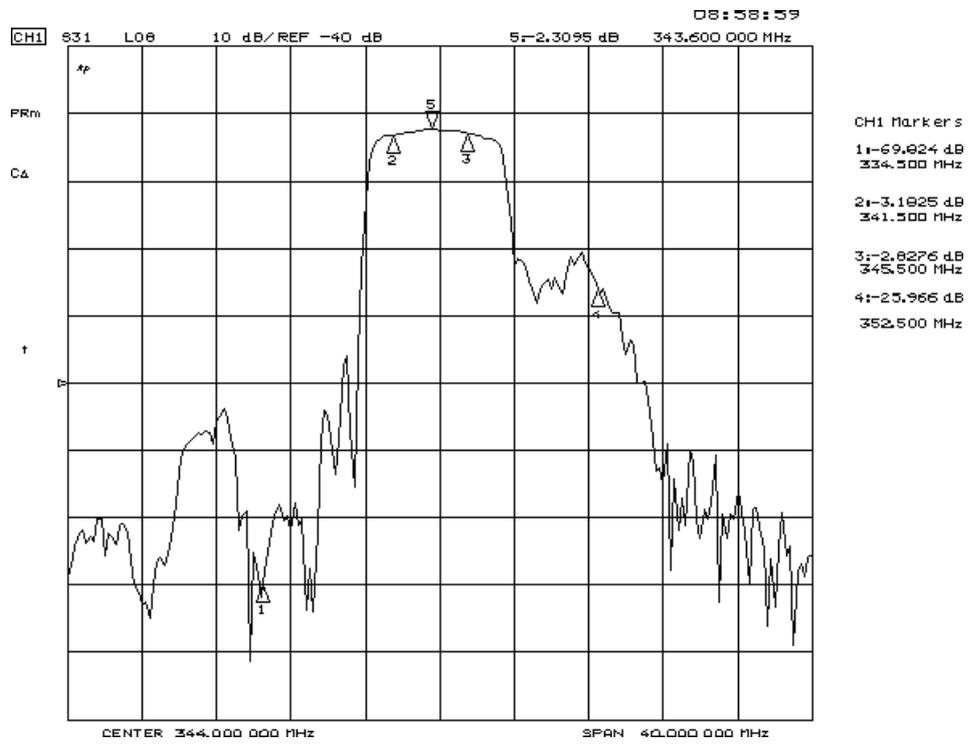
**C. MEASUREMENT CIRCUIT:**



**D. OUTLINE DRAWING:**

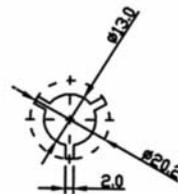
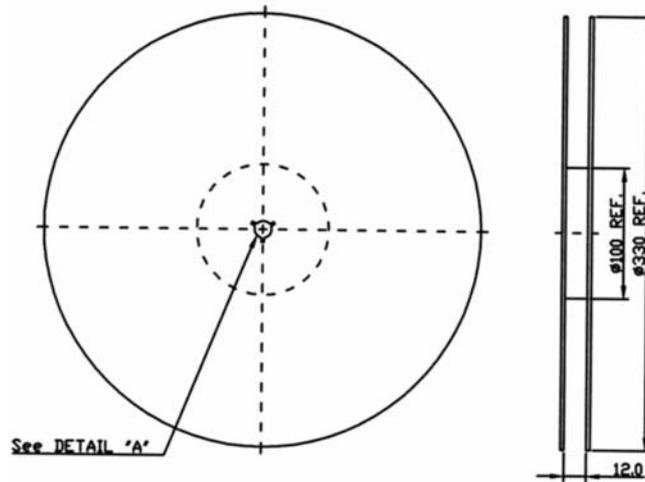


## E. Frequency Characteristics :

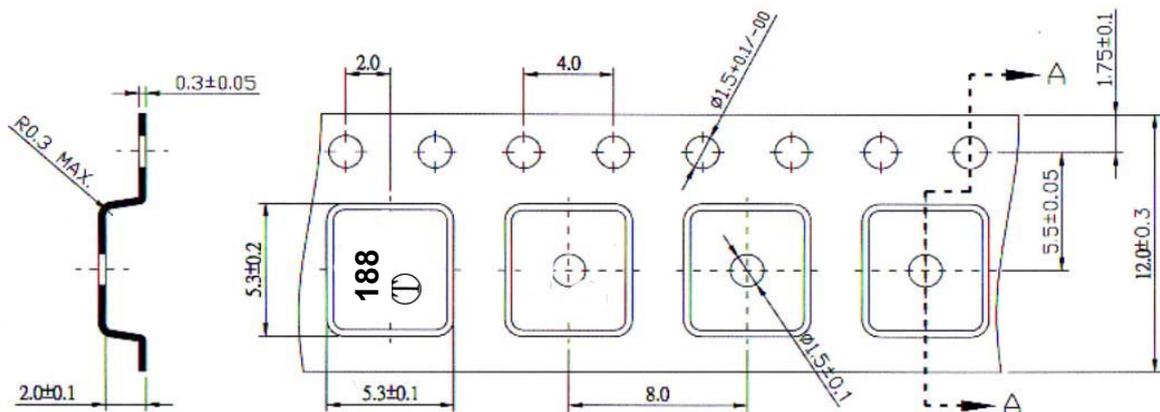


## G. PACKING:

### 1. REEL DIMENSION



### 2. TAPE DIMENSION



Section A-A