



# 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 173.075 MHz F-11

TST Parts No.:TB0550A

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

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

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

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

Date: \_\_\_\_\_ 08, 24, 2007



# 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 173.075 MHz

MODEL NO.:TB0550A

REV. NO.: 1

### A. MAXIMUM RATING:

1. Input Power Level: 15 dBm
2. DC Voltage : 5V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -50°C to +95°C

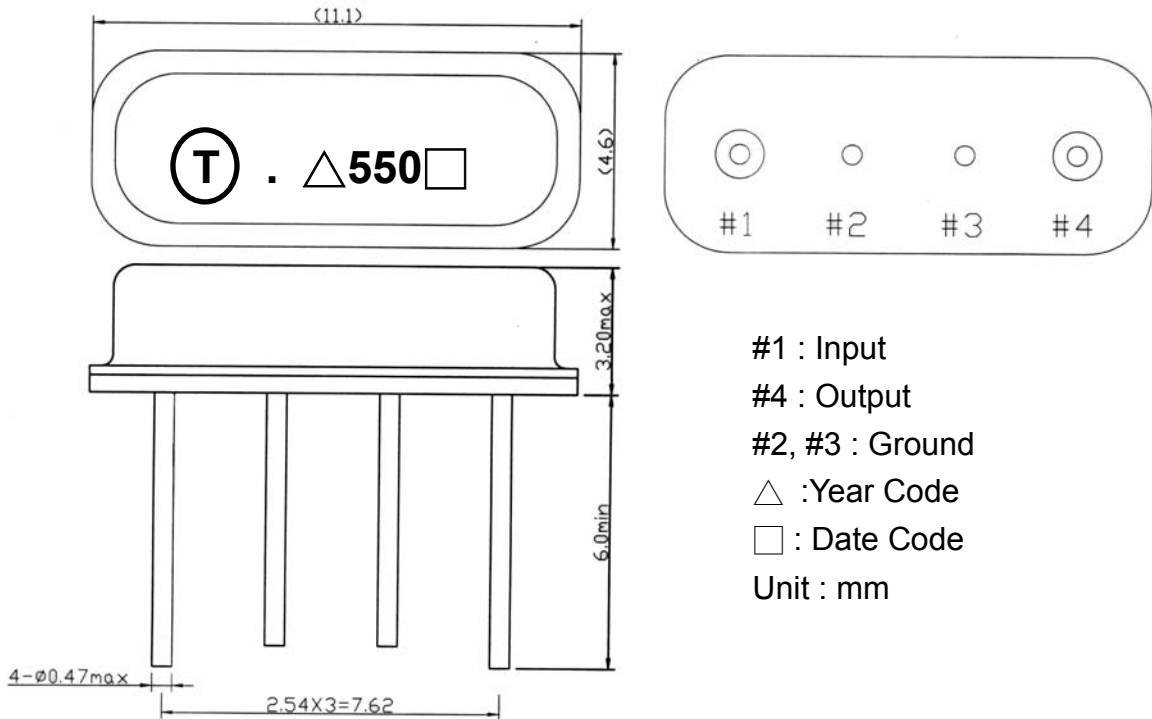
RoHS Compliant

Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center frequency <b>Fc</b>	MHz	-	173.075	-	-
Insertion loss at center frequency <b>ILc</b>	dB	-	3.7	7.0	-
Ripple (173.0675 ~ 173.0825 MHz)	dB	-	±0.3	±1	-
<b>Attenuation (relative to ILc)</b>					
172.075 ~ 172.19 MHz	dB	30	47	-	-
172.19 ~ 172.975 MHz	dB	7	19	-	-
173.175 ~ 173.96 MHz	dB	7	19	-	-
173.96 ~ 174.075 MHz	dB	30	47	-	-
Temperature coefficient of frequency <b>TCf</b>		-0.034 ppm/C <sup>2</sup>			

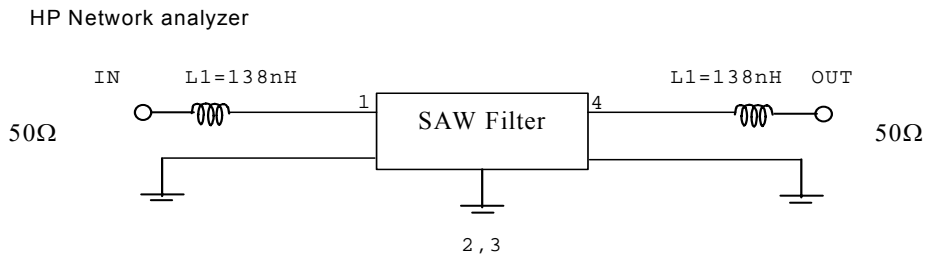
**C.OUTLINE DRAWING:**



$\triangle$  Product Year Code

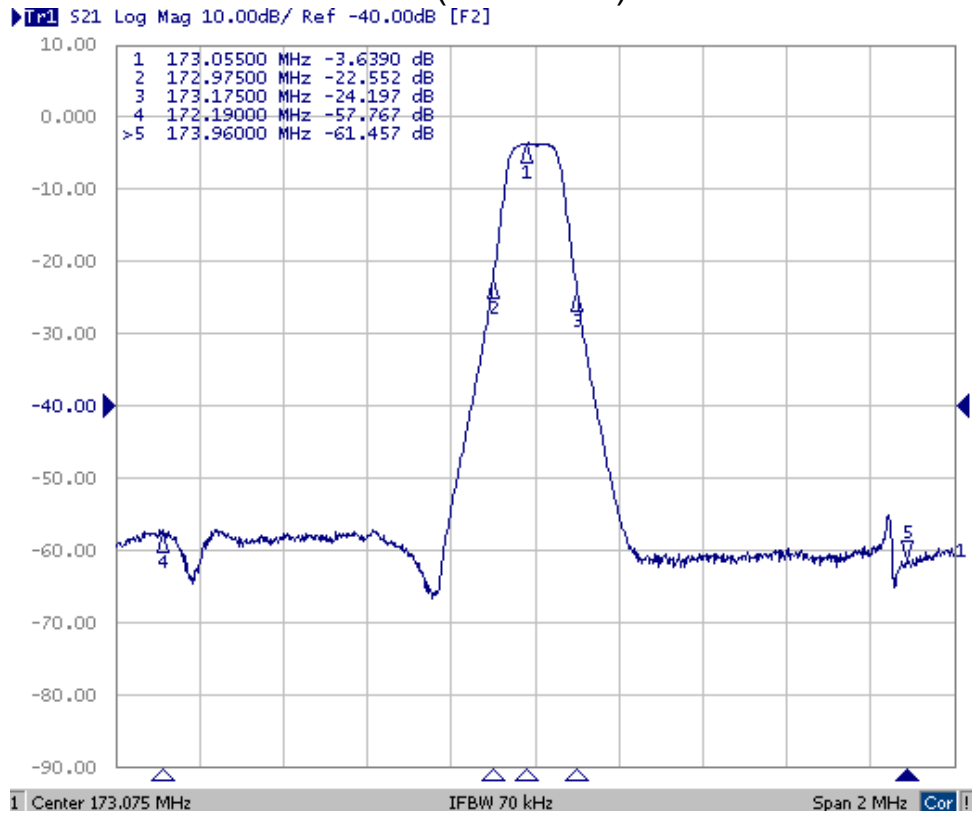
Year	2005 2009	2006 2010	2007 2011	2008 2012
Product Code	B	b	<u>B</u>	<u>b</u>

**D. MEASUREMENT CIRCUIT:  
50 Ohm Test circuit**



## E. Frequency Characteristics :

### S21 (Wideband)



### S21 (Inband)

