



# 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 164.175 MHz F-11

TST Parts No.:TB0547A

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

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

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

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

Date: \_\_\_\_\_ 09, 24, 2007



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## SAW Filter 164.175 MHz

MODEL NO.: TB0547A

REV. NO.: 1

### A. MAXIMUM RATING:

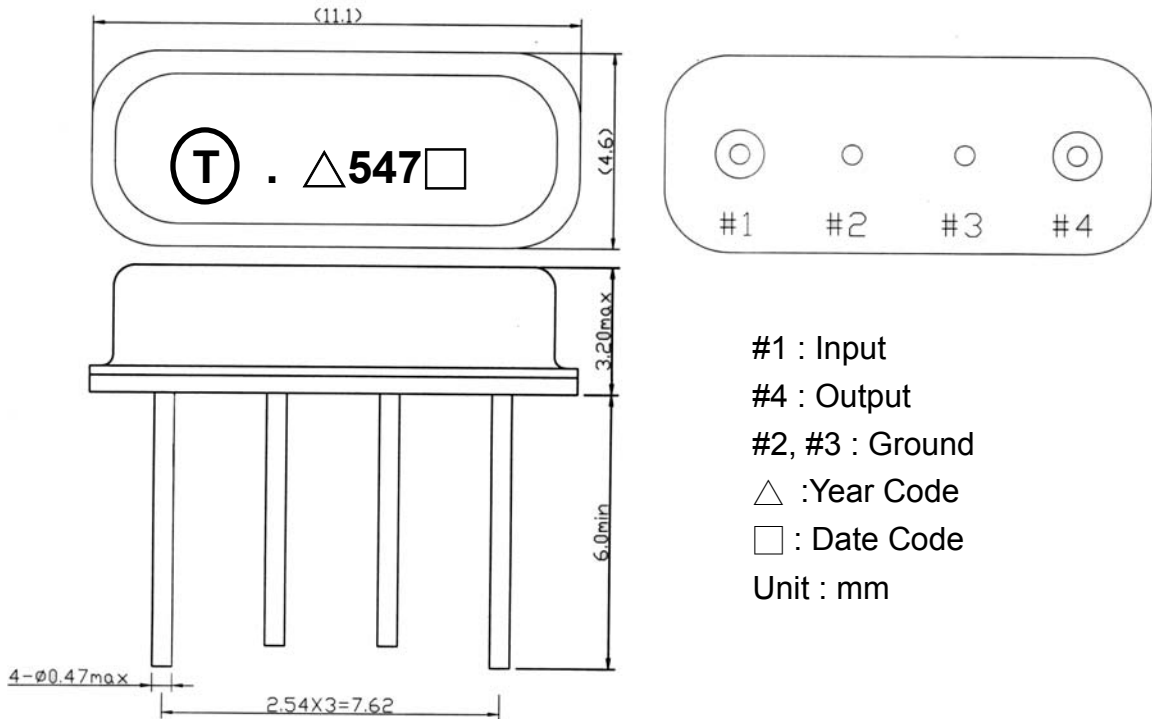
1. Input Power Level: 15 dBm
2. DC Voltage : 5V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -50°C to +95°C

**RoHS Compliant**  
**Lead-free soldering**

### B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center frequency <b>Fc</b>	MHz	-	164.175	-	-
Insertion loss at center frequency <b>ILc</b>	dB	-	3.5	7.0	-
Ripple (164.17125 ~ 164.17875 MHz)	dB	-	±0.3	±1	-
<b>Attenuation (relative to ILc)</b>					
163.175 ~ 163.2775 MHz	dB	30	47	-	-
163.2775 ~ 164.075 MHz	dB	7	19	-	-
164.275 ~ 165.0725 MHz	dB	7	19	-	-
165.0725 ~ 165.175 MHz	dB	30	47	-	-
<b>Temperature coefficient of frequency Tcf</b>		-0.034 ppm/C <sup>2</sup>			

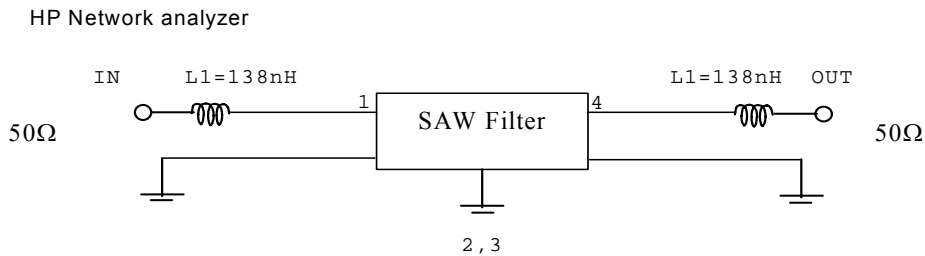
**C.OUTLINE DRAWING:**



$\Delta$  Product Year Code

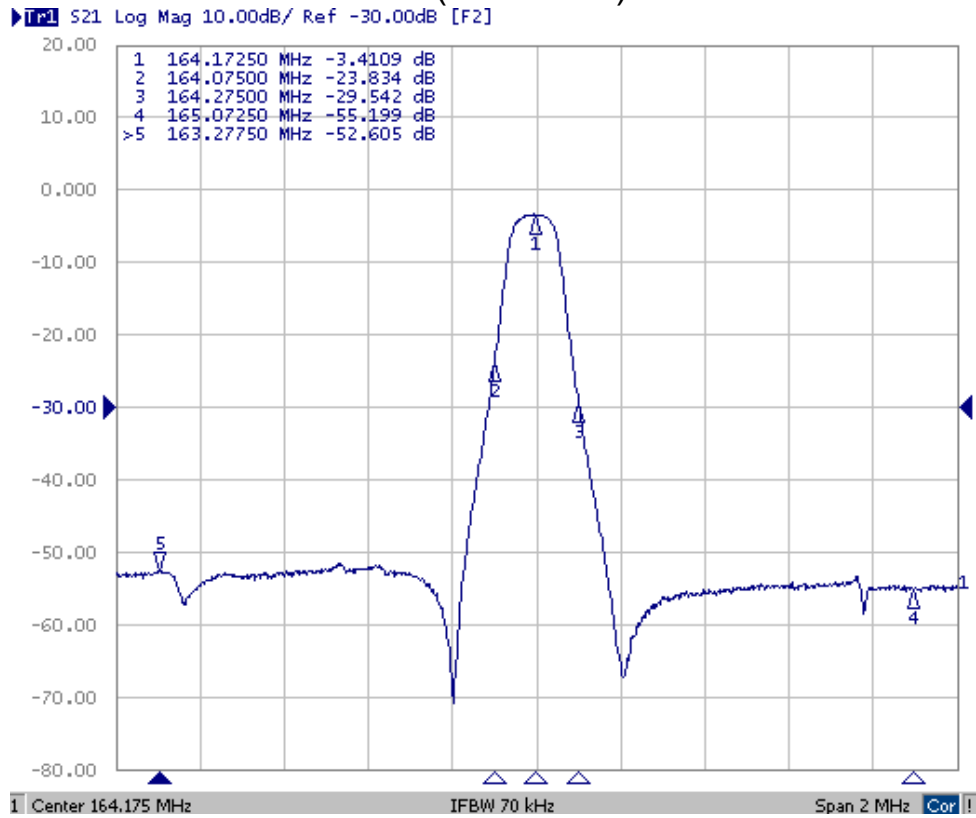
Year	2005 2009	2006 2010	2007 2011	2008 2012
Product Code	B	b	<u>B</u>	<u>b</u>

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



## E. Frequency Characteristics :

### S21 (Wideband)



### S21 (Inband)

