



# TAI-SAW TECHNOLOGY CO., LTD.

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

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## Product Specifications Approval Sheet

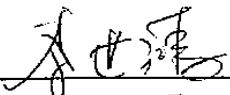
Issued Date:

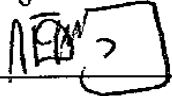
Product Name: SAW IF Filter 165 MHz

TST Parts No.: TB0879A

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

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: \_\_\_\_\_ Kazuma Lee 

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

Date: \_\_\_\_\_ 08 / 14 / 2010

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.



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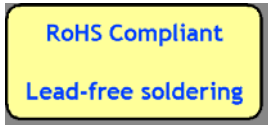
SAW Filter 165MHz (Metal Dip package 35×12.8 mm)

MODEL NO.: TB0879A

REV. NO.1

## A. MAXIMUM RATING:

1. Operating temperature range: -40°C to 85°C
2. Storage temperature range: -40°C to 85°C
3. Input Power Level : 10 dBm
4. Maximum DC Voltage : 10V



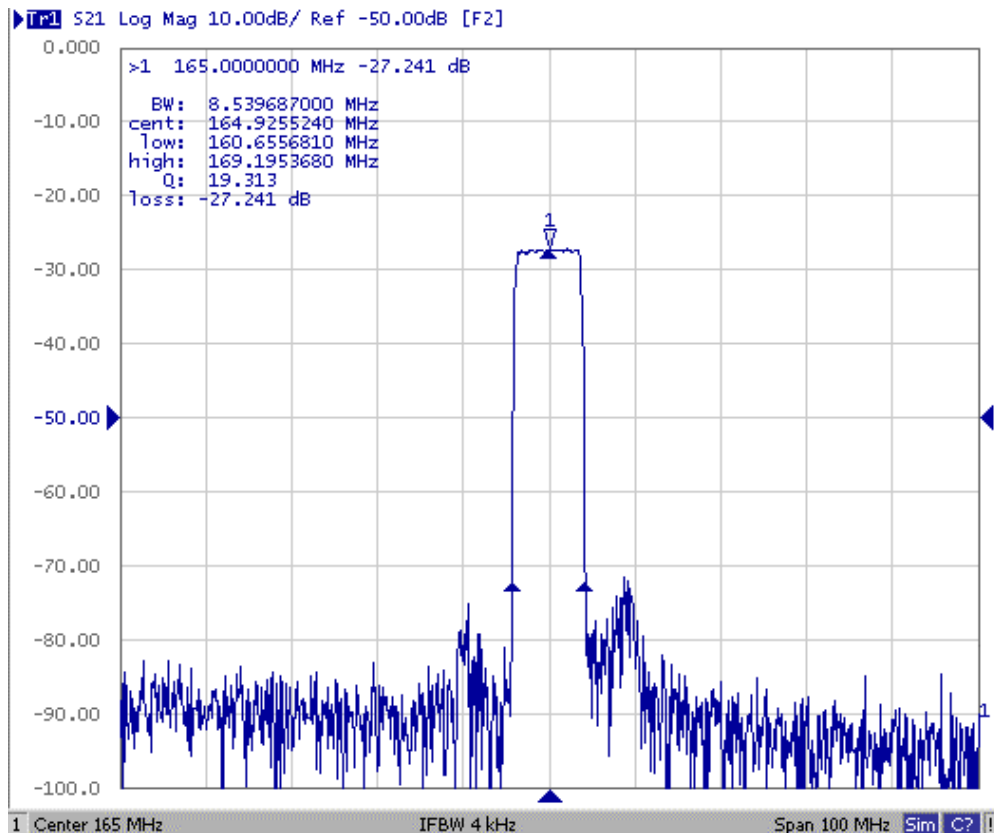
## B. Characteristics :

1. Ambient Temperature: 25 °

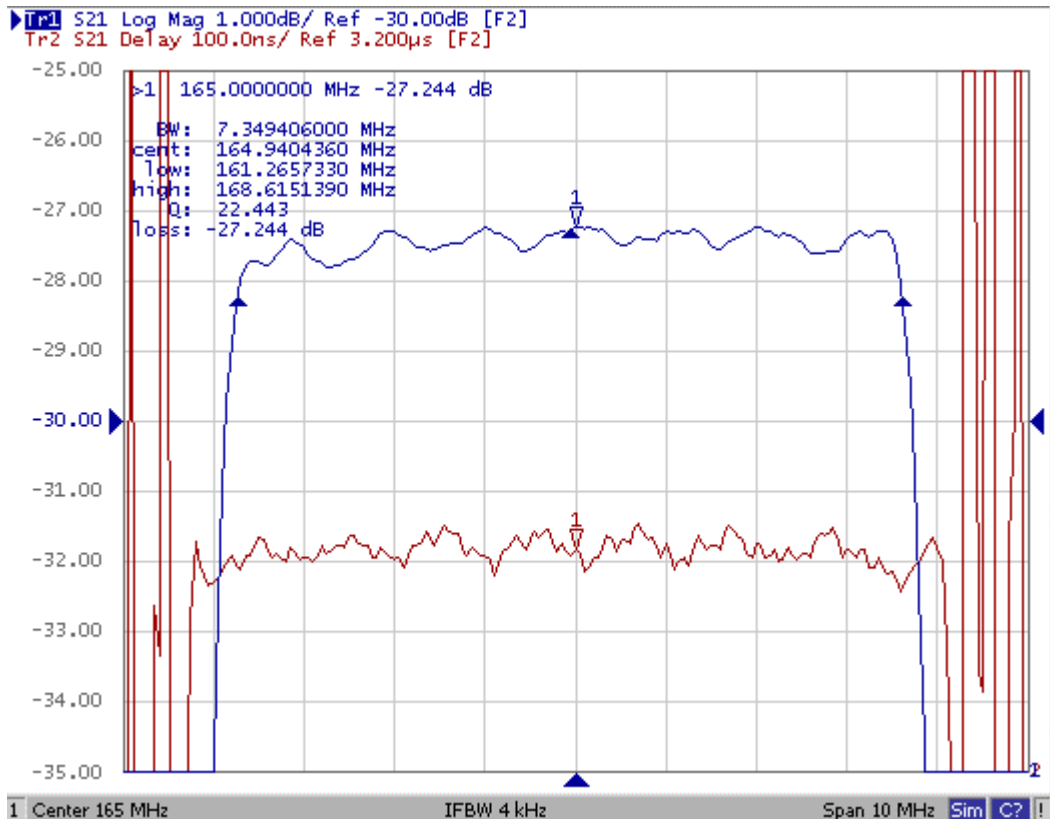
Item	Unit	Min.	Type.	Max.
Center frequency, <b>F<sub>c</sub></b>	MHz	-	165	-
Insertion Loss, <b>IL</b>	dB	-	27.2	30
-1.0dB bandwidth	MHz	7.00	7.35	-
-45dB bandwidth	MHz	-	8.54	8.8
Temp. Coefficient	ppm/°C <sup>2</sup>	-	-0.036	-
Source Impedance	Ohm	-	50	-
Load Impedance	Ohm	-	50	-

### C. Frequency Characteristics :

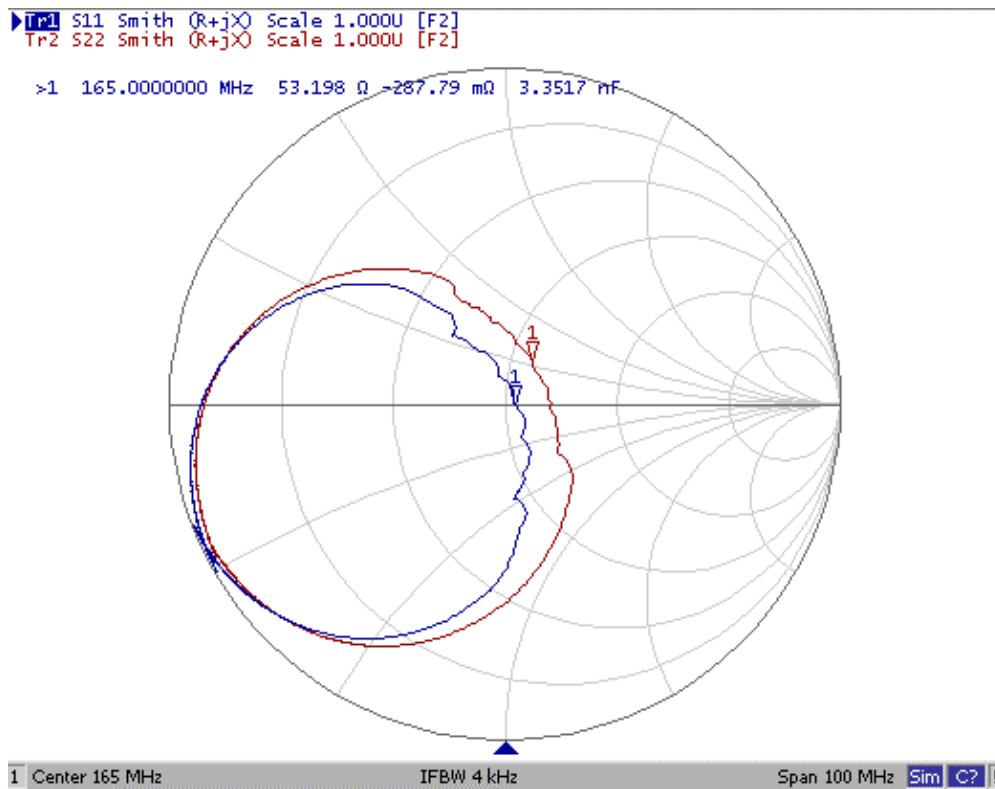
(1) Wide band Response:(span 100MHz)



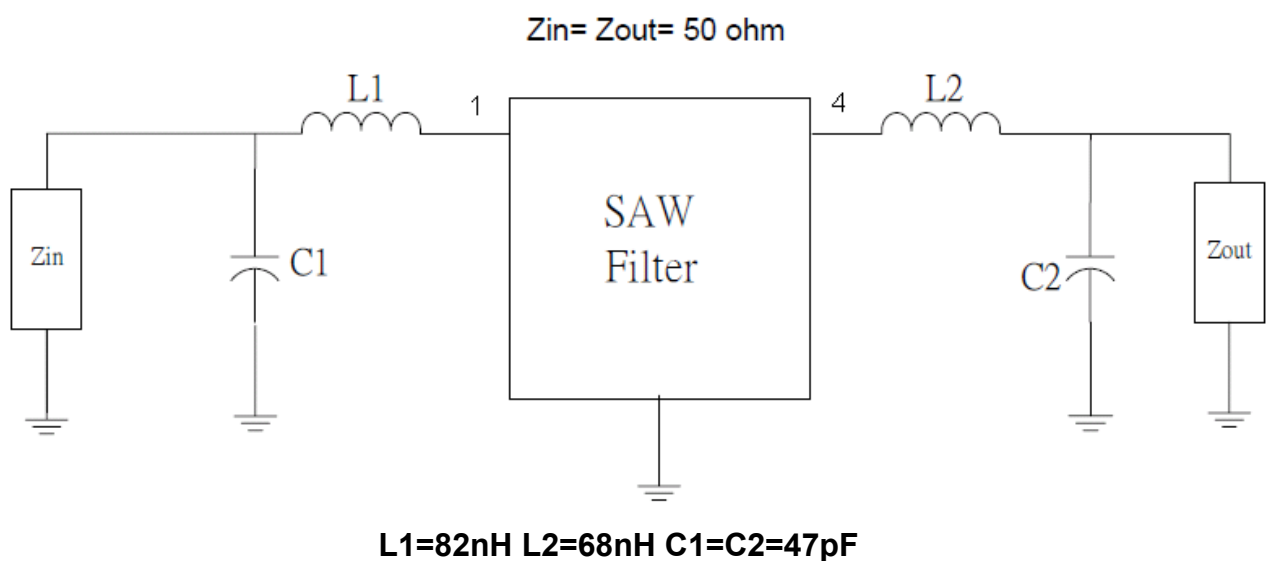
(2) Pass band Response and Group Delay Response:



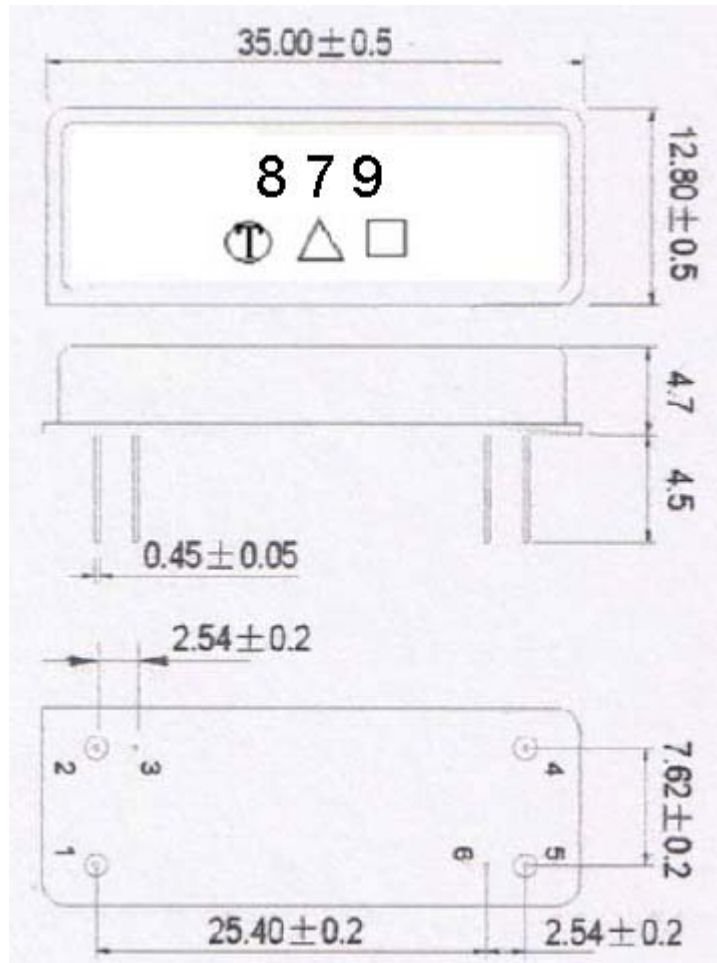
(3) Smith Chart:



D. Matching Circuit:



**E. Outline Drawing:**



#1 : Input

#2 : Input Ground

#4 : Output

#5 : Output Ground

#3,6 : Ground

□: Week Code (Follow the table from planner each year)

Unit: mm

△ : Product / Year Code

Year	2009 2013	2010 2014	2011 2015	2012 2016
Product Code	B	b	<u>B</u>	<u>b</u>

**F. RECOMMENDED REFLOW PROFILE\_:**

