



# TAI-SAW TECHNOLOGY CO., LTD.

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## Approval Sheet For Product Specification


Issued Date:

Product Name: SAW IF Filter 950MHz

TST Parts No.: TB0661A

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

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

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

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

Date: \_\_\_\_\_ 2008/09/19



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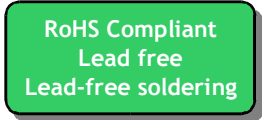
SAW Filter 950MHz 150MHz BW (SMD 3.8x3.8 mm)

MODEL NO.: TB0661A

REV. NO.:1

## A. MAXIMUM RATING:

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



## B. Characteristics :

Item	Unit	Min.	Type.	Max.
Center frequency, Fc	MHz	-	950	-
Insertion Loss, IL	dB	-	15.3	17.0
1dB Bandwidth	MHz	150	157	160
Rejection				
1 ~ 760 MHz	dB	32	38	-
1040 ~ 2000MHz	dB	32	36	-
Passband Ripple Fo +/- 60MHz	dB	-	0.4	1.0
Group delay ripple Fo +/- 60MHz	nsec	-	7	-
Temperature Coefficient	ppm/°C	-	-96	-
Source Impedance	Ohm	-	50	-
Load Impedance	Ohm	-	50	-

### C. Frequency Characteristics :

(1) Narrow band Response:(span 1000MHz)

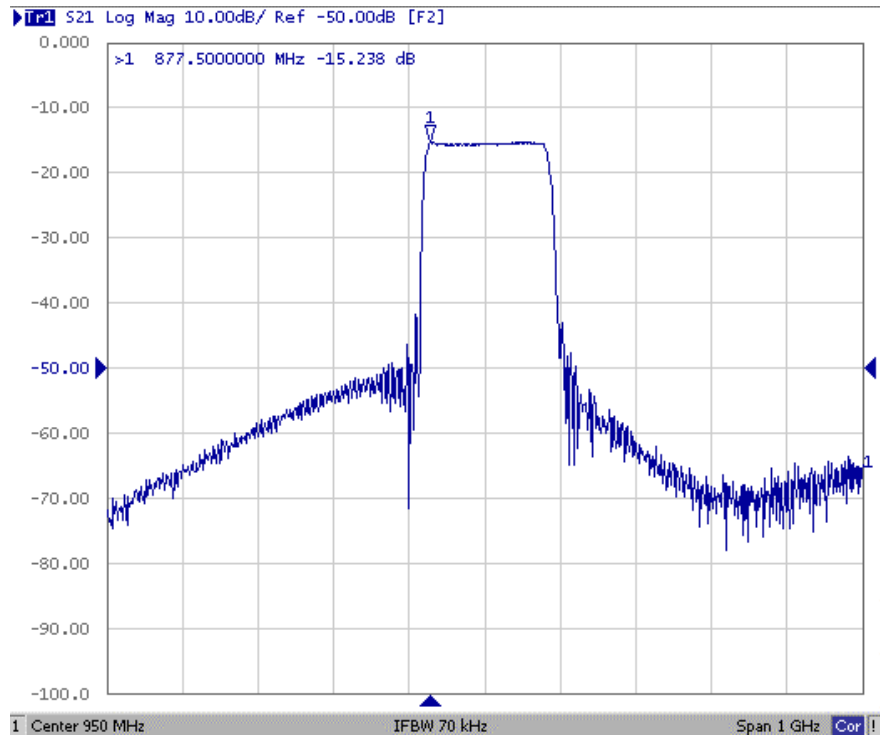


Fig1. Horizontal: 100MHz/Div Vertical: 10dB/Div

(2) Pass band Response and Group Time Delay response:

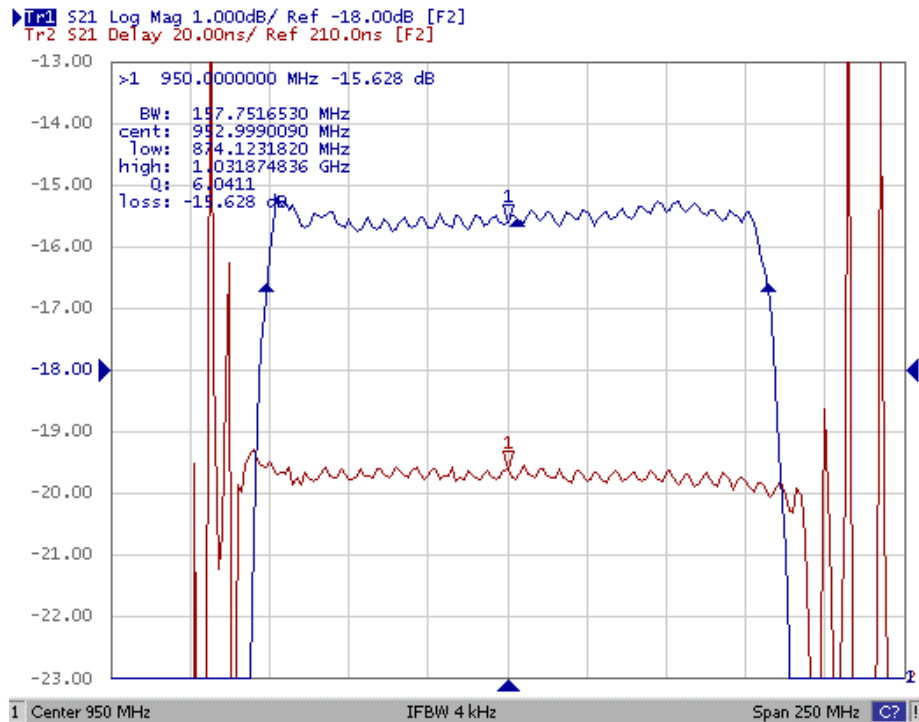
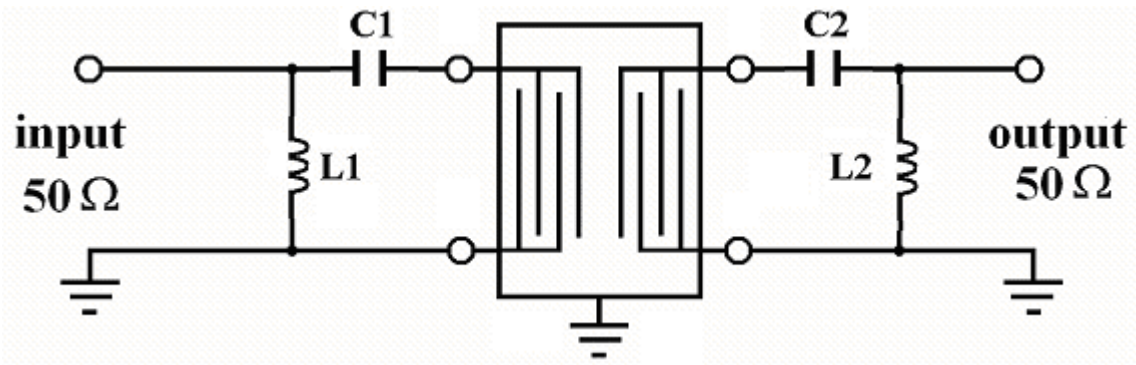


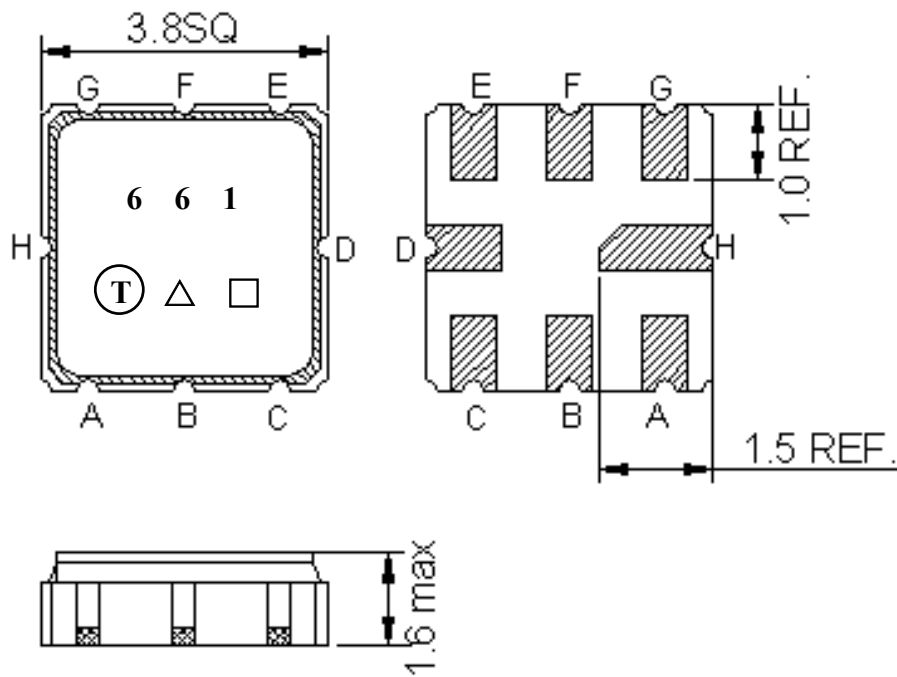
Fig2. Horizontal: 25MHz/Div Vertical: 1dB/Div  
Vertical: 20nS/Div

**D. Measurement Circuit:**



$L1=L2=5.6nH \quad C1=8pF \quad C2=18pF$

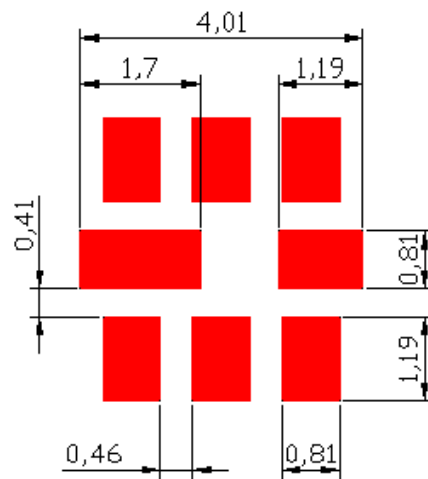
**E. Outline Drawing:**



Pin B – RF input  
 Pin F – RF output  
 Pin A, C, D, E, G, H – To Be Ground

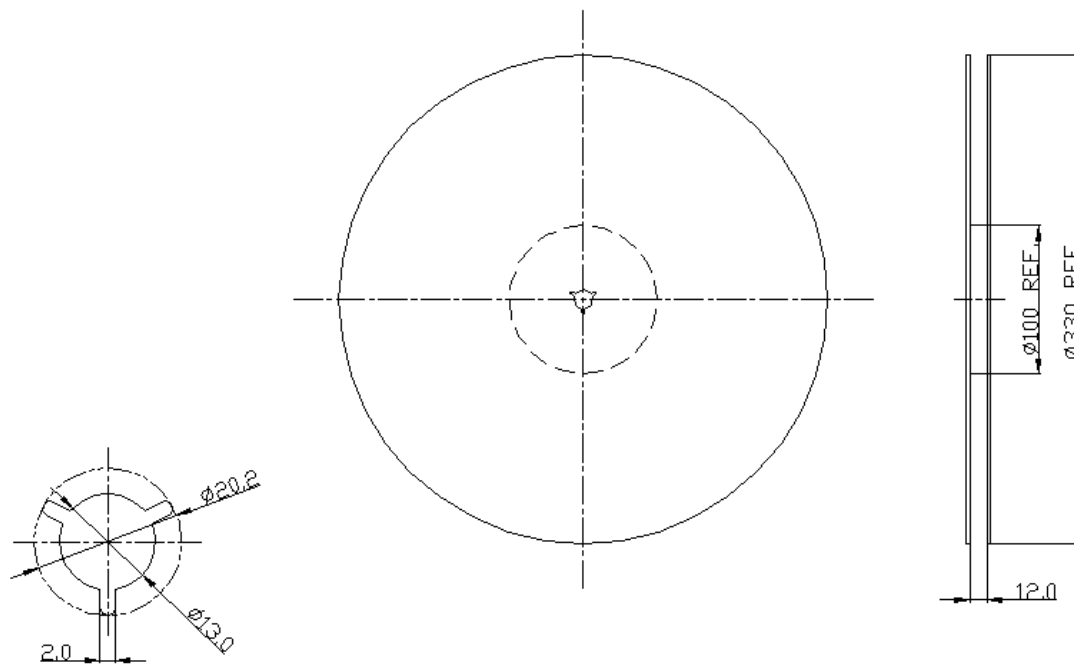
Year	2005 2009	2006 2010	2007 2011	2008 2012
Product Code	B	b	<u>B</u>	<u>b</u>

## F. PCB Footprint



## G. PACKING:

### 1. REEL DIMENSION



## 2. TAPE DIMENSION

