



TAI-SAW TECHNOLOGY CO., LTD.

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Product Specifications Approval Sheet

Product Name: 950 MHz 150MHz BW SMD 3.8 x 3.8 mm SAW IF Filter

TST Parts No.: TB0661A

Customer Parts No.: _____

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

Checked by: _____ Justin Wu *Justin*

Approval by: _____ Francis Chen *[Signature]*

Date: _____ 11 / 25 / 2011

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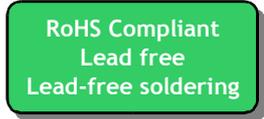
SAW Filter 950MHz 150MHz BW (SMD 3.8x3.8 mm)

MODEL NO.: TB0661A

REV. NO.:2

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



Electrostatic Sensitive Device

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	-
1140 ~ 2000MHz	dB	32	36	-
Passband Ripple Fo +/- 60MHz	dB	-	0.4	1.0
Group delay ripple Fo+/- 60MHz	nsec	-	7	-
Temperature Coefficient	ppm/°C	-	-94	-
Source Impedance	Ohm	-	50	-
Load Impedance	Ohm	-	50	-

C. Frequency Characteristics :

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

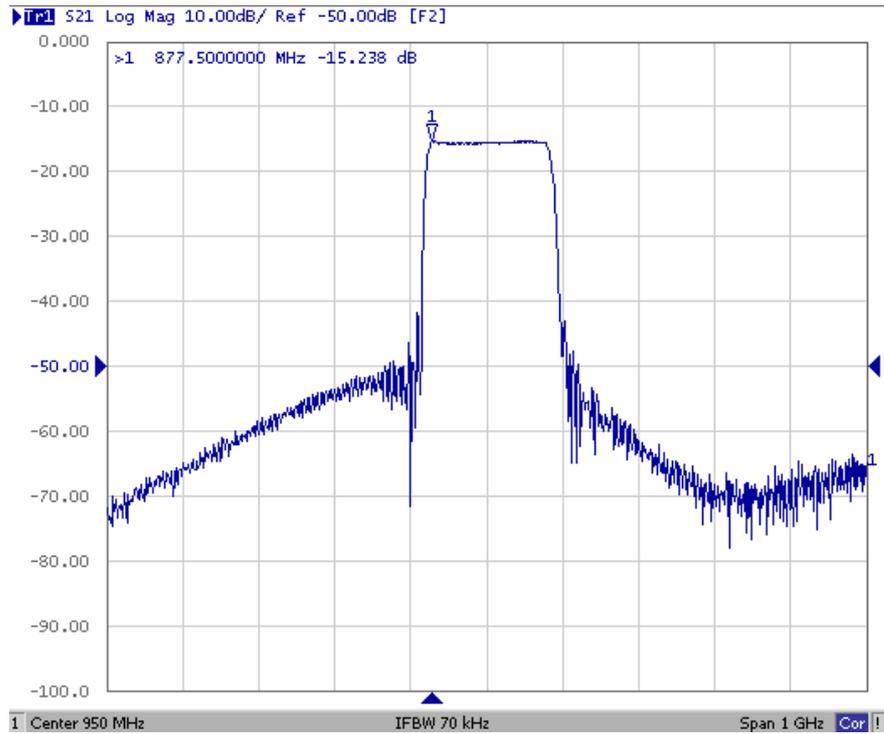


Fig1. Horizontal: 100MHz/Div Vertical: 10dB/Div

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

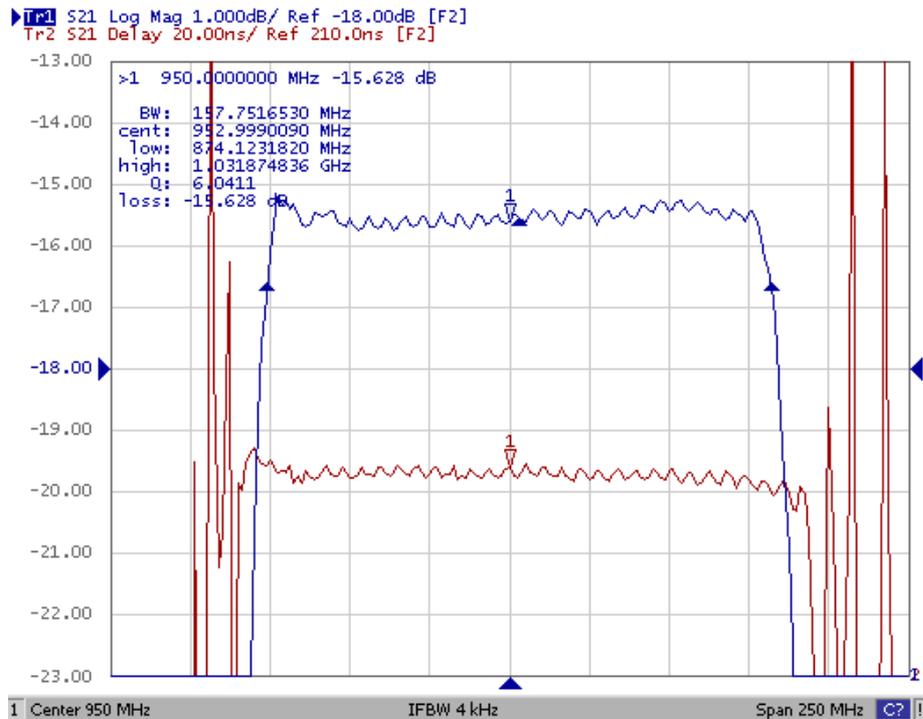
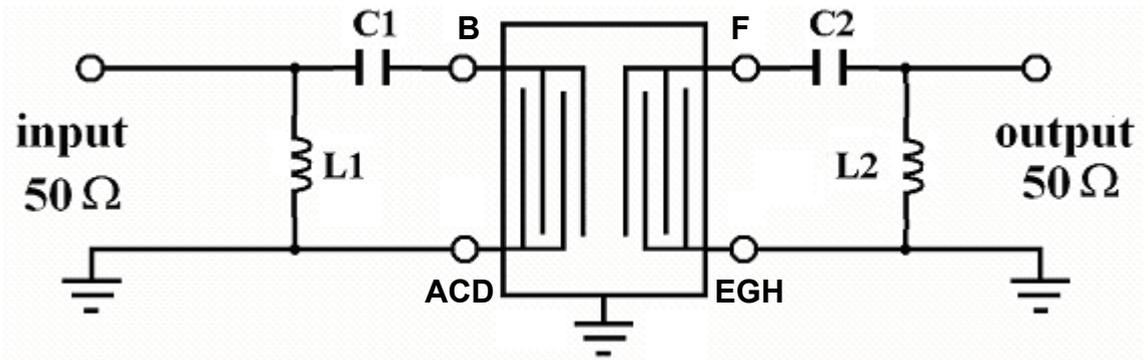


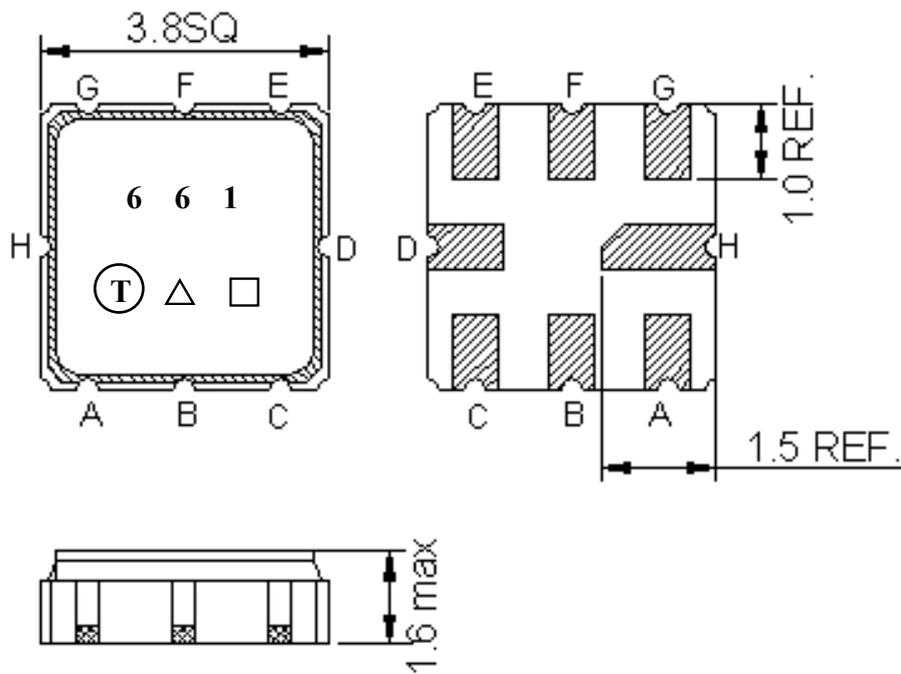
Fig2. Horizontal: 25MHz/Div Vertical: 1dB/Div
Vertical: 20nS/Div

D. Measurement Circuit:



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

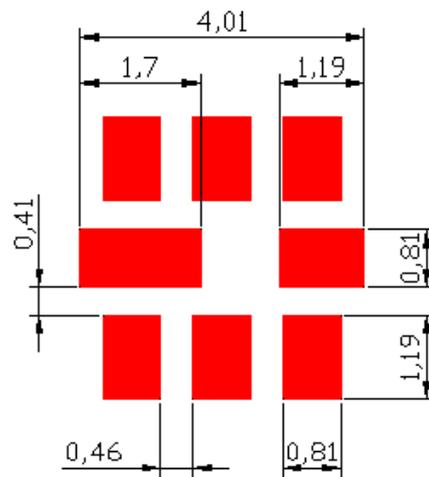
E. Outline Drawing:



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

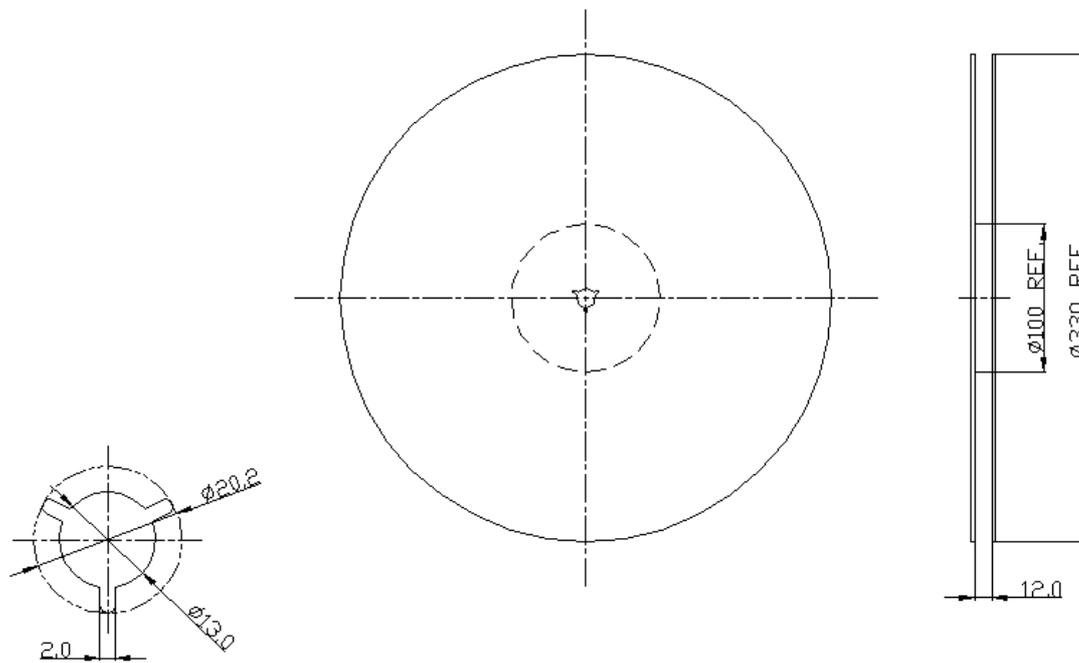
Year	2009 2013	2010 2014	2011 2015	2012 2016
Product Code	B	b	<u>B</u>	<u>b</u>

F. PCB Footprint

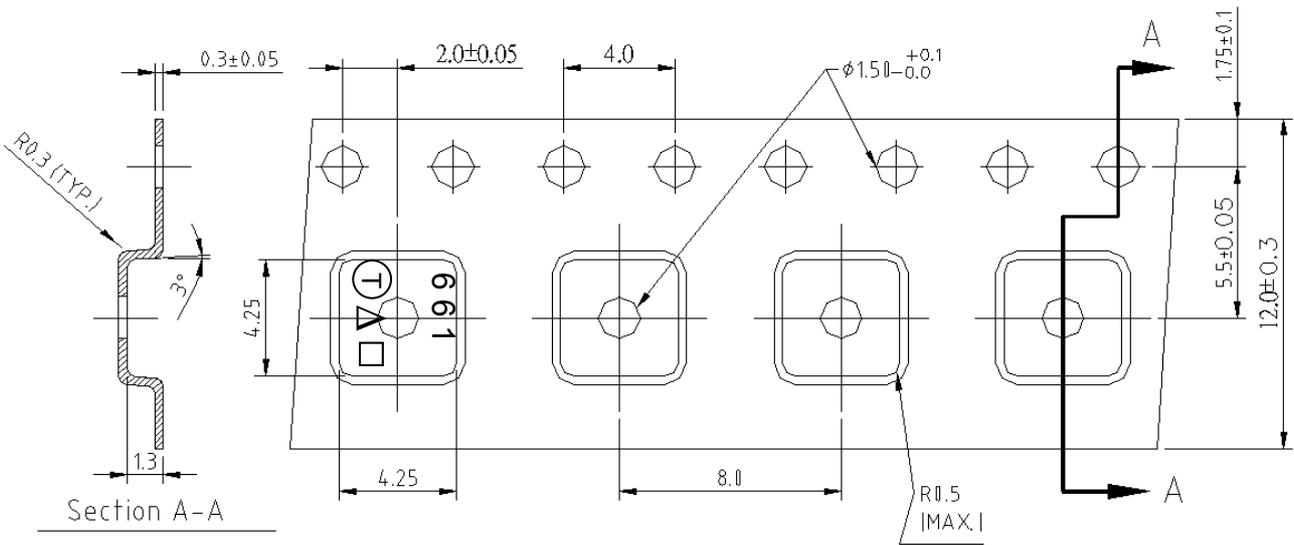


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

