



TAI-SAW TECHNOLOGY CO., LTD.

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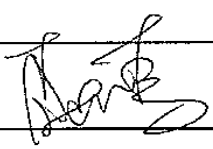
Product Specifications Approval Sheet

Product Name: 152 MHz 36MHz BW SMD 7.0 x 5.0 mm SAW IF Filter

TST Parts No.: TB0993A

Customer Parts No.: _____

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

Checked by: _____ Kazuma Lee 

Approval by: _____ Francis Chen 

Date: _____ 08 / 11 / 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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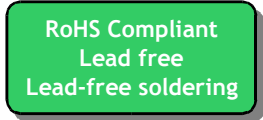
SAW Filter 152MHz 36MHz BW (SMD 7.0×5.0 mm)

MODEL NO.: TB0993A

REV. NO.1

A. MAXIMUM RATING:

1. Operating temperature range: -55°C to 125°C
2. Storage temperature range: -55°C to 125°C
3. Input Power Level : 10 dBm
4. Maximum DC Voltage : 10V



Electrostatic Sensitive Device

B. Characteristics :

1. Ambient Temperature: 25 °

Item	Unit	Min.	Type.	Max.
Center frequency, F_c	MHz	-	152	-
Insertion Loss, IL	dB	-	14.5	15.5
1dB Band Width	MHz	34	36	
40dB Band Width	MHz		46	48
Amplitude Ripple F_c±16MHz	dB	-	0.6	1.0
Temperature Coefficient	ppm/°C	-	-94	-
Source Impedance	Ohm	-	200	-
Load Impedance	Ohm	-	200	-

C. Frequency Characteristics :

(1) Wide band Response:(span 250MHz)

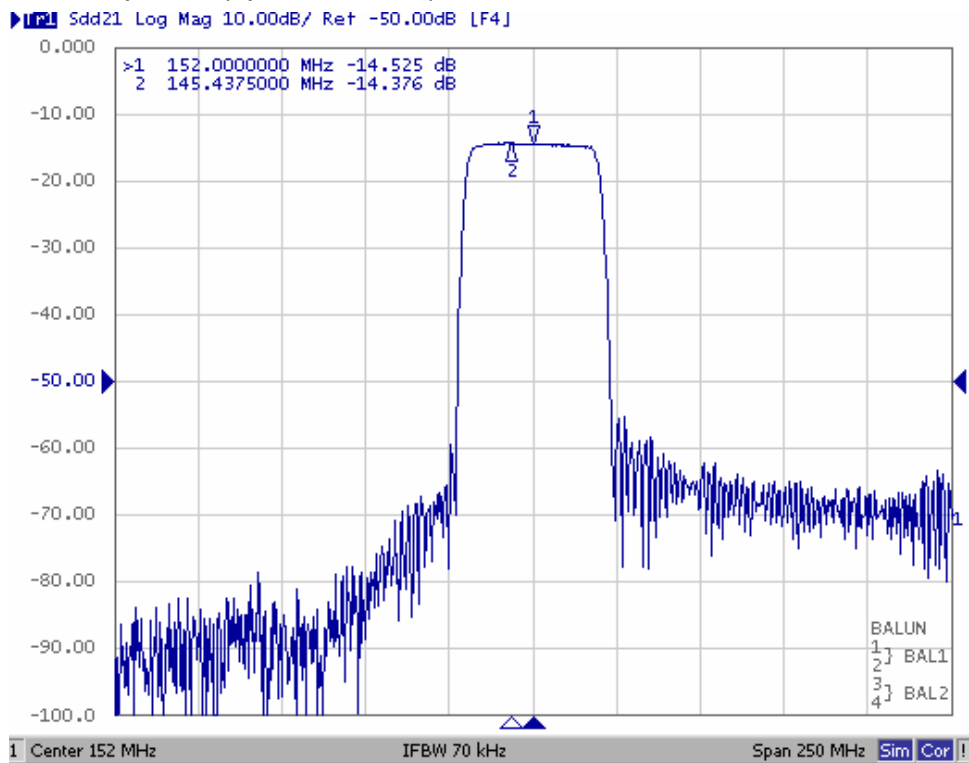


Fig1. Horizontal: 25MHz/Div Vertical: 10dB/Div

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

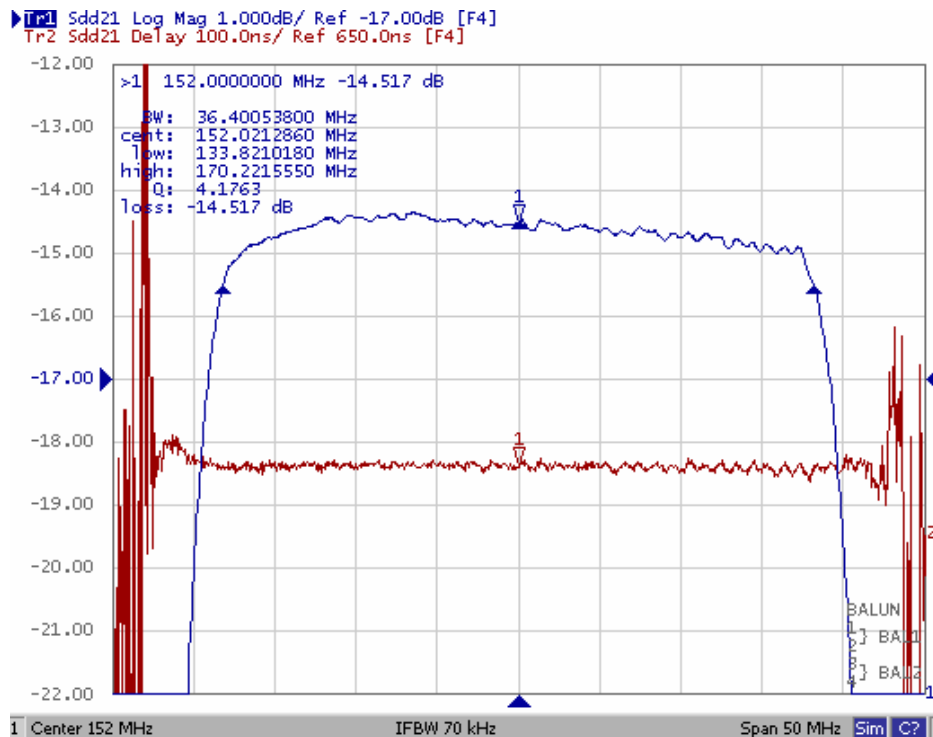
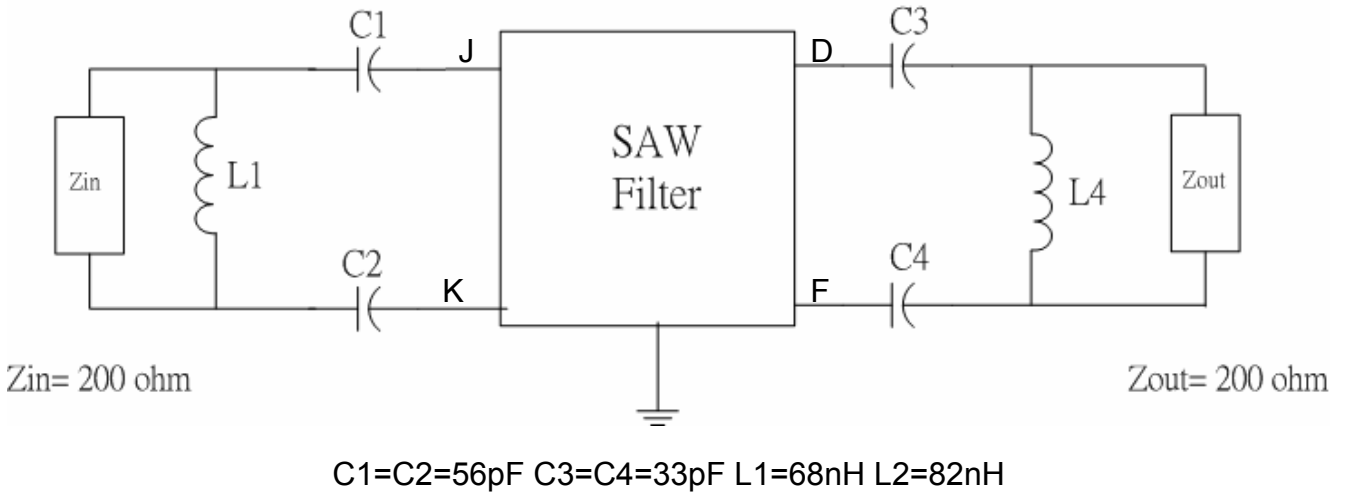
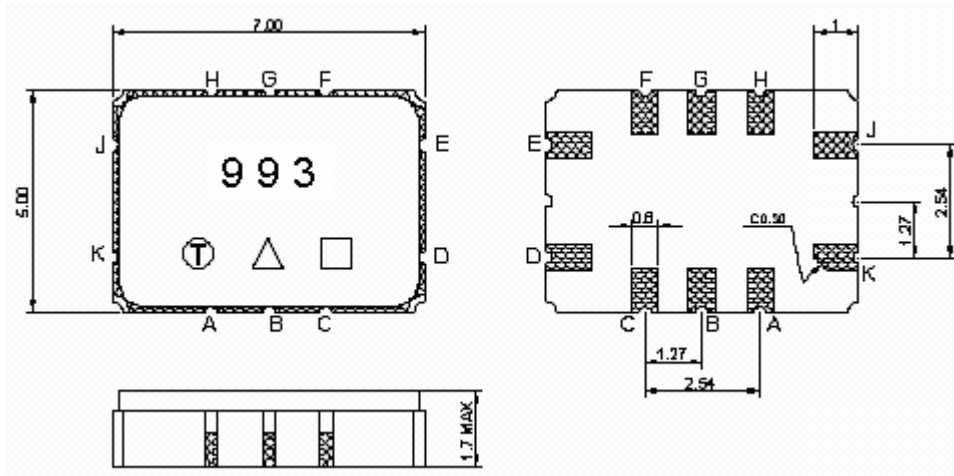


Fig2. Horizontal: 5MHz/Div Vertical: 1dB/Div
Vertical: 100ns/Div

D. Matching Circuit:



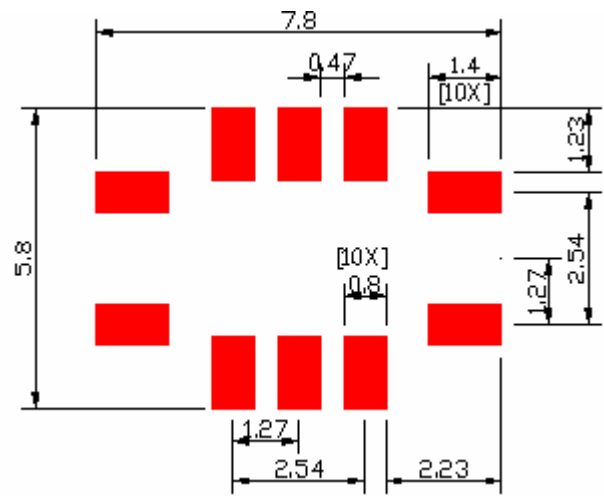
E. Outline Drawing:



- Pin J –RF input
- Pin K –RF balance input or to be ground
- Pin D –RF output
- Pin E –RF balance output or to be ground
- Pin A,B,C,F,G,H - Ground
- : Week Code (Follow the table from planner each year)
- Unit : mm
- △ : Product / Year Code

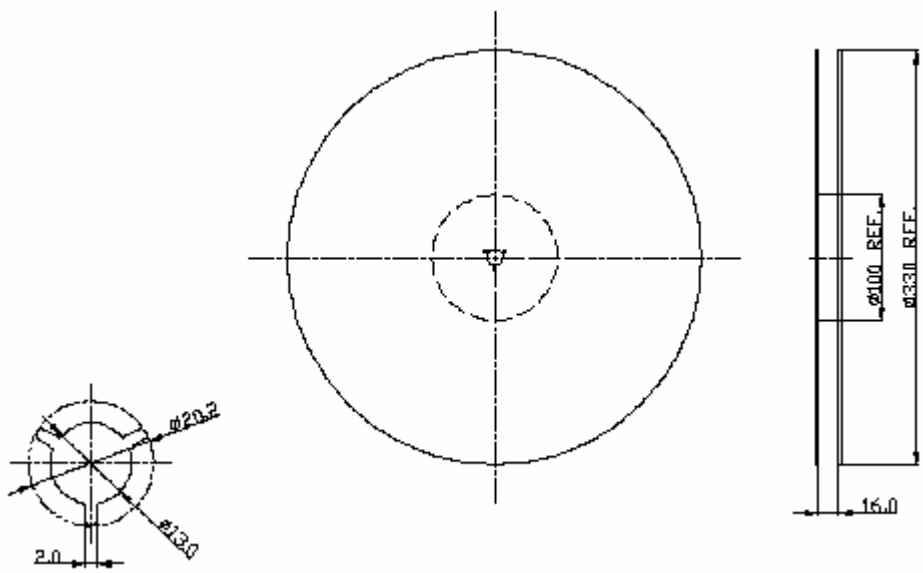
Year	2009 2013	2010 2014	2011 2015	2012 2016
Product Code	B	b	<u>B</u>	<u>b</u>

F. PCB Footprint:

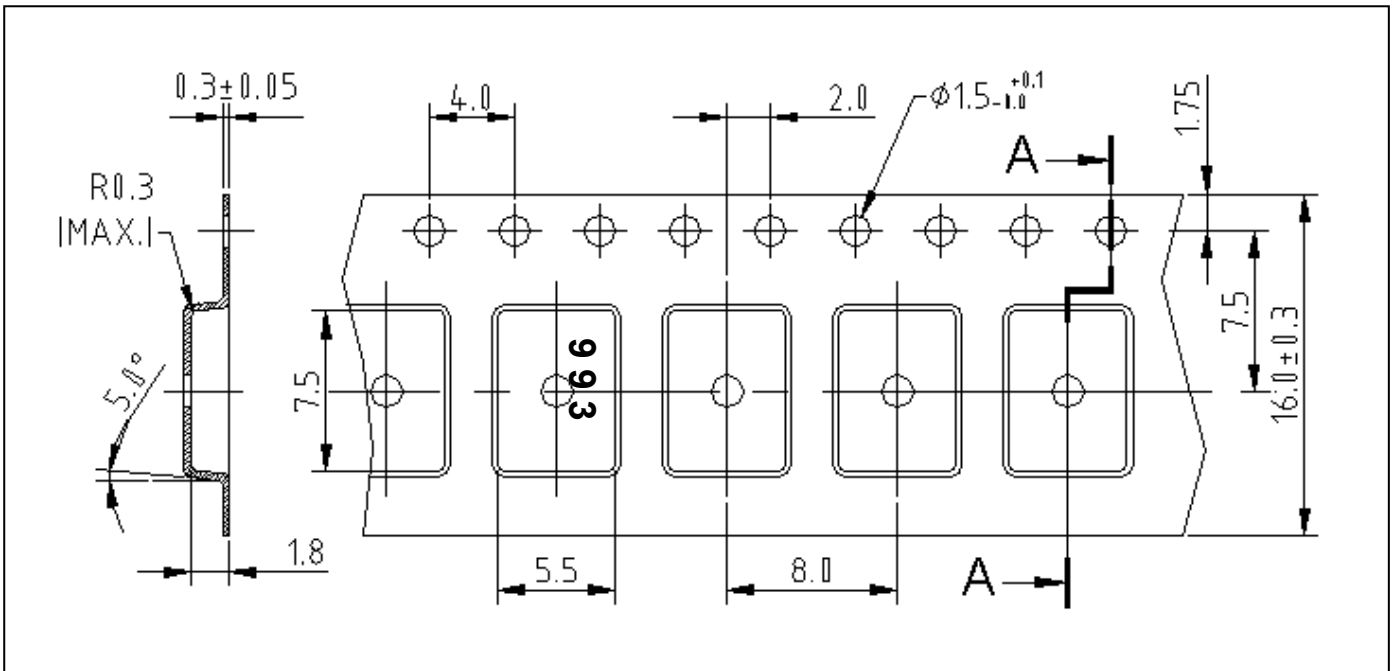


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE:

