



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Approval Sheet For Product Specification

Issued Date:

Product Name: IF SAW Filter 53.76 MHz (SMD 13.3mmX6.5mm)

TST Parts No.:TB0948A

Customer Parts No.: _____

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

Checked by: Andy Yu *Andy*

Approval by: Francis Chen *Francis Chen*

Date: 2011/04/28

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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IF SAW Filter 53.76 MHz SMD 13.3mmX6.5mm

MODEL NO.: TB0948A

Rev. No. V1.0

A. Maximum Rating:

- 0. Maximum Input Power: 10dBm
- 1. Operating Temperature: -20 °C ~ +85 °C
- 2. Storage Temperature: -40 °C ~ +85 °C

RoHS Compliant
 Lead free
 Lead-free soldering

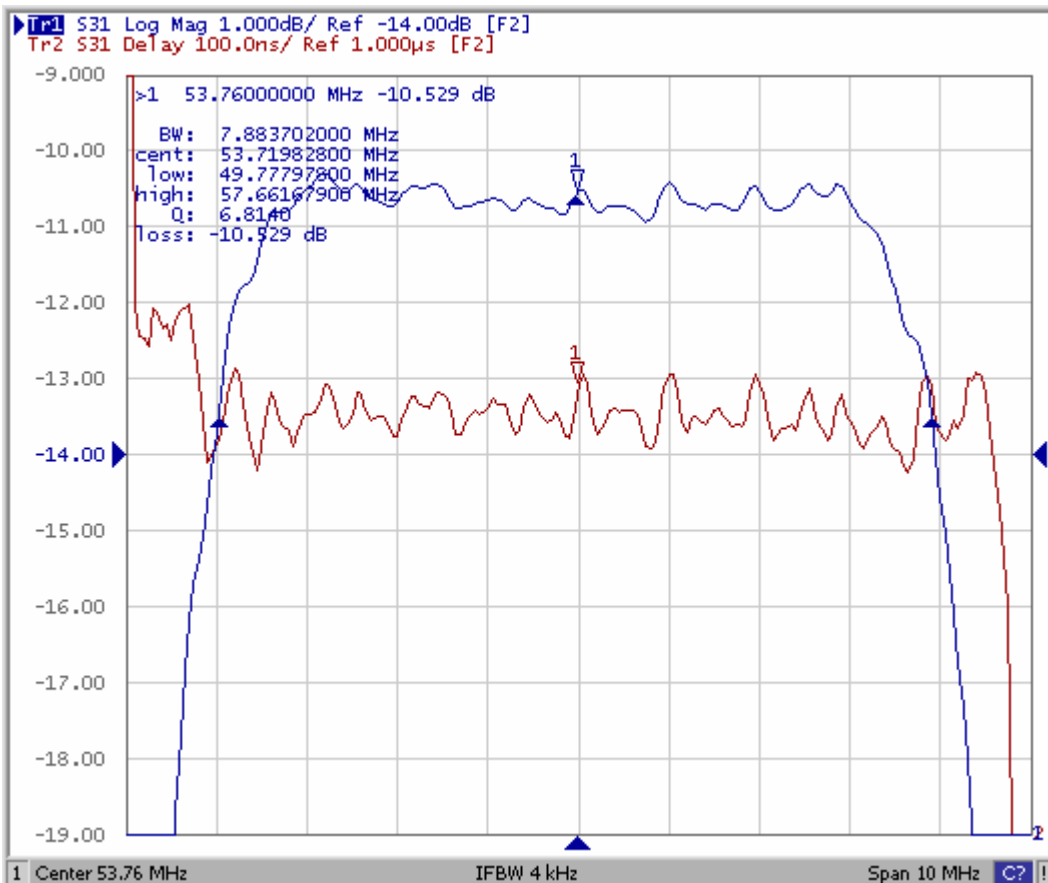
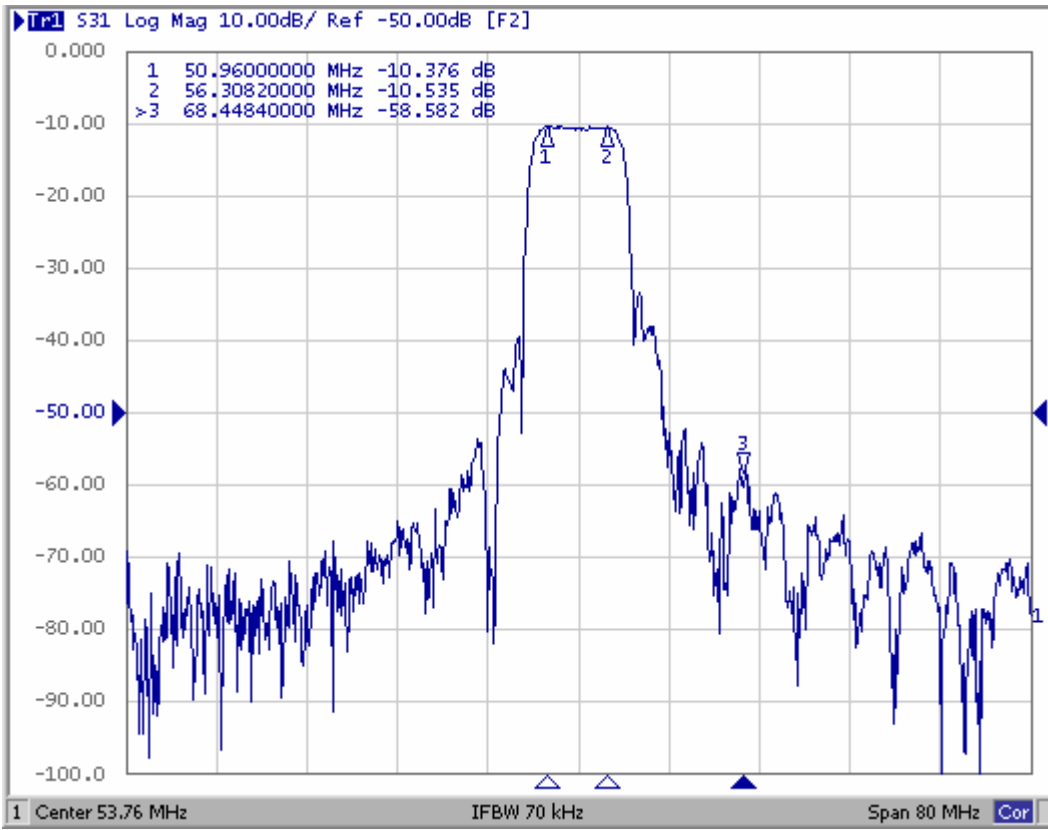
B. Characteristics :

- 1. Ambient Temperature: 25 °

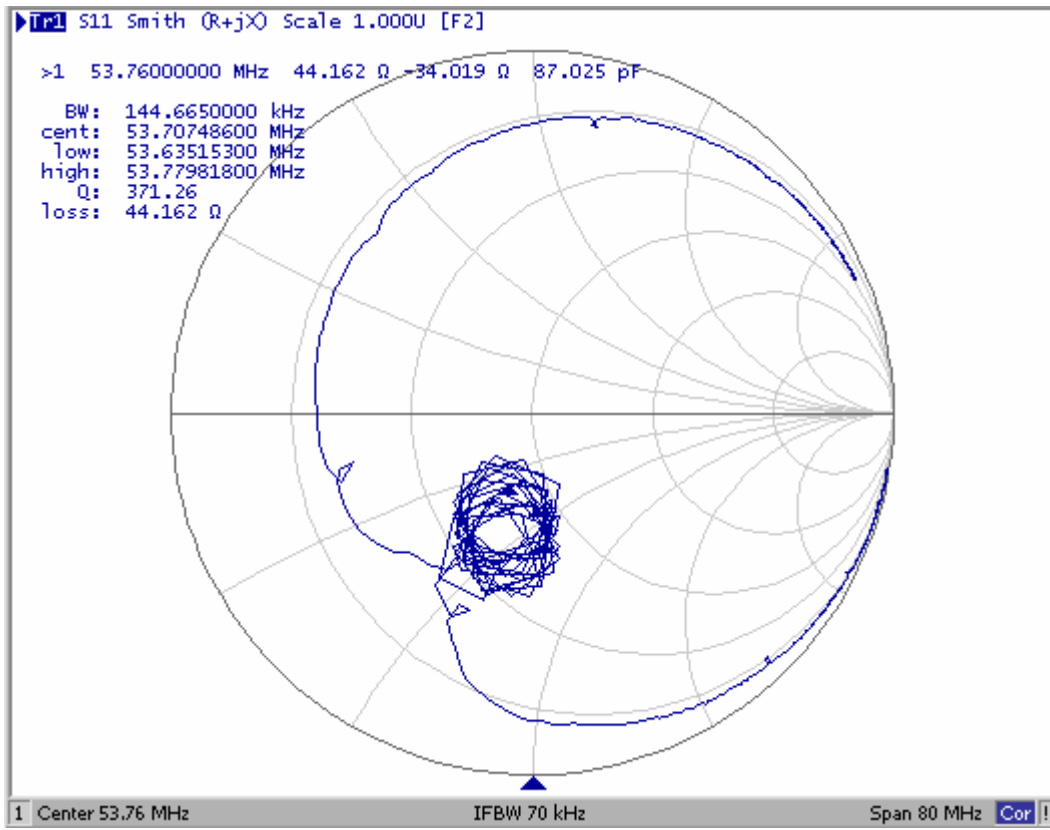
Item	Unit	Min.	Type.	Max.
Center frequency, Fc	MHz	-	53.76	-
Insertion Loss, IL	dB	-	10.3	11.0
Pass band Ripple Fc±2.7 MHz	dB	-	0.5	1.0
Group Delay Variation Fc±2.7 MHz	nsec		90	120
Phase Linearity within Fc±2.7 MHz	deg		3.5	6.0
Relative attenuation				
Fc-40 MHz ~ Fc-12 MHz	dB	45	52	-
Fc+12.0 MHz ~ Fc+500 MHz	dB	45	48	-
Return Loss within Pass band	dB	6	6.5	-
Max input power level	dBm	+10		
Input IP3	dBm	+35	+40	
In/Output impedance	Ohm		50/50	

C. Frequency Characteristics :

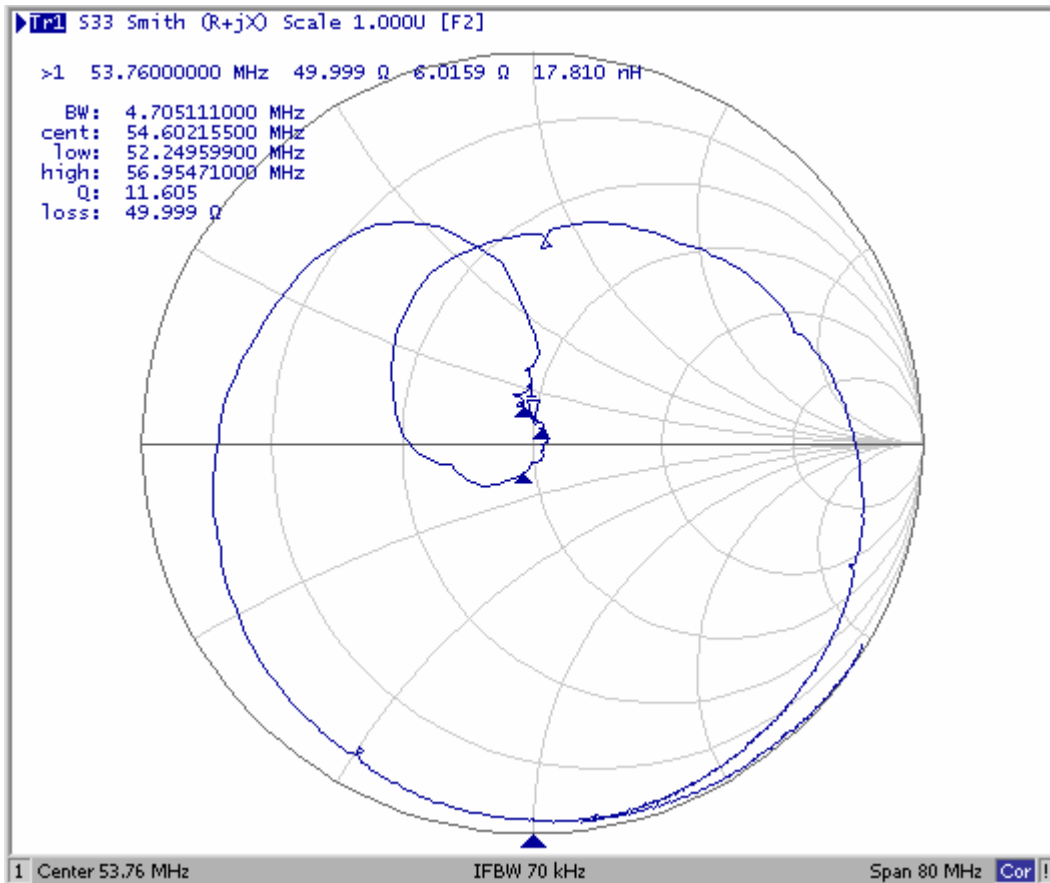
S11 Response:



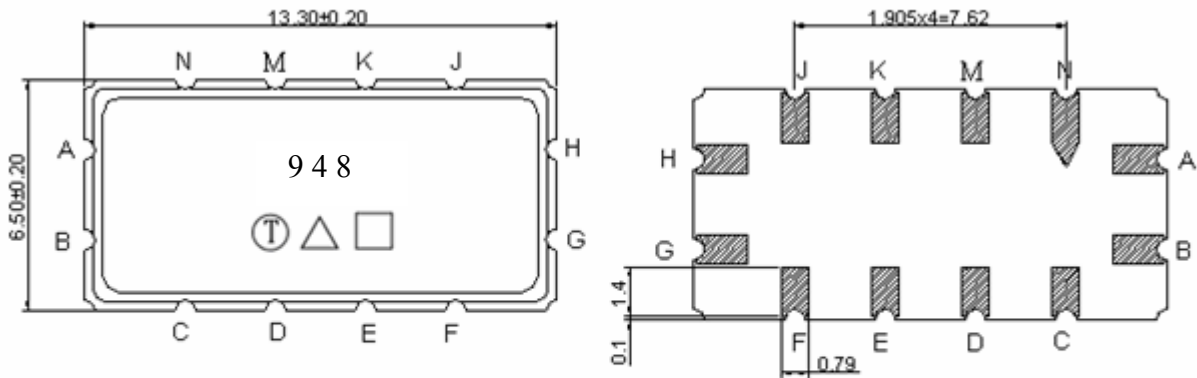
S11 Smith-Chart



S22 Smith-Chart



D. Outline Drawing:



Pin configuration

#A RF Input or balanced input+

#G RF Input ground or balanced input-

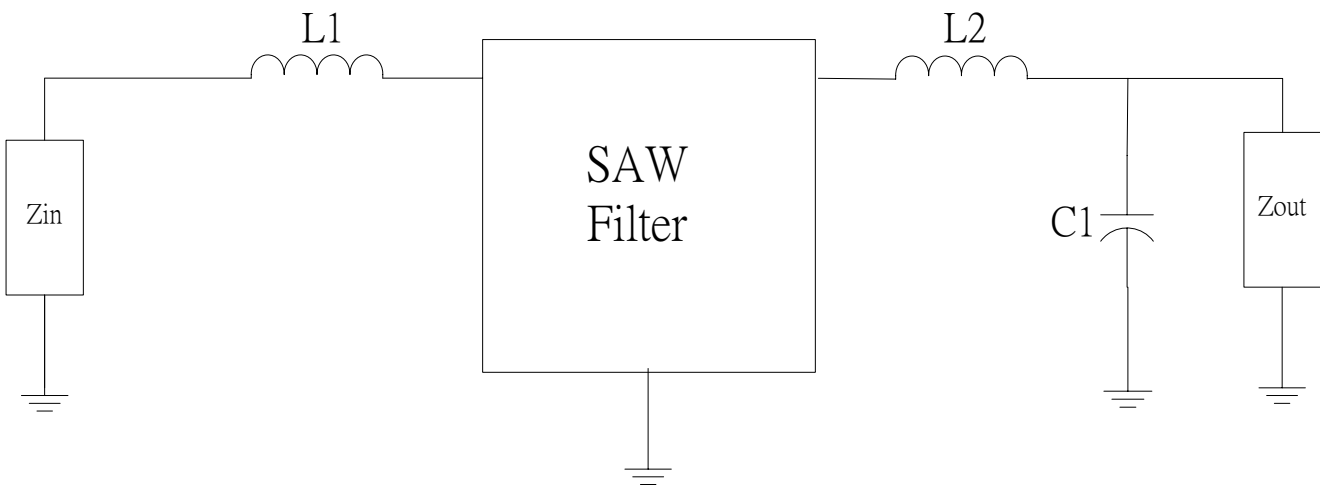
#B, C, D, E, F, H, J, K, M, N To be ground

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

△ : Product / Year Code

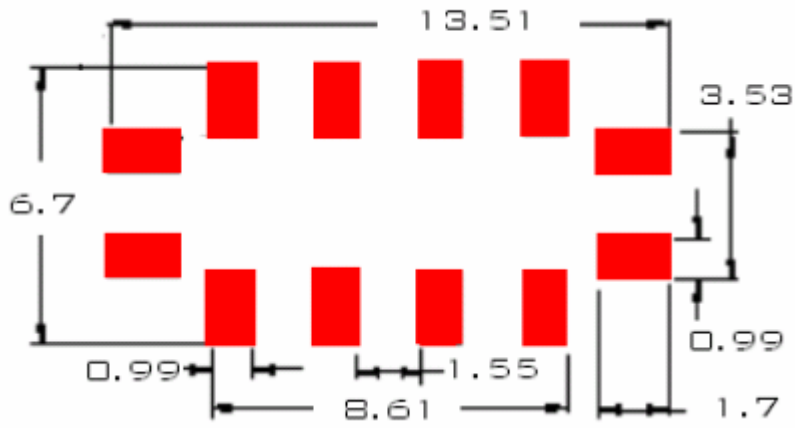
Year	2013 2009	2014 2010	2015 2011	2016 2012
Product Code	B	b	<u>B</u>	<u>b</u>

E. Measurement Circuits :



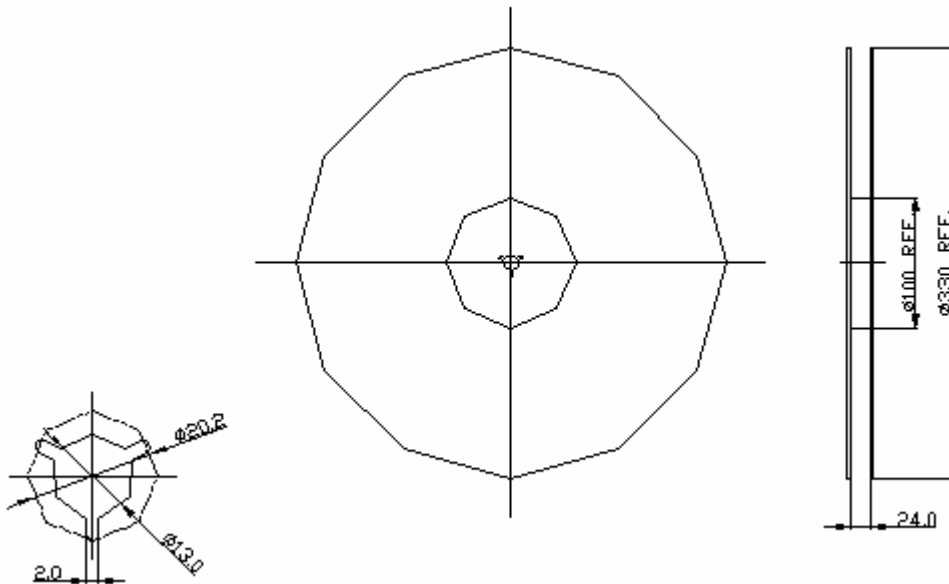
L1=470nH, L2=390nH, C1=39pF

F. PCB Footprint

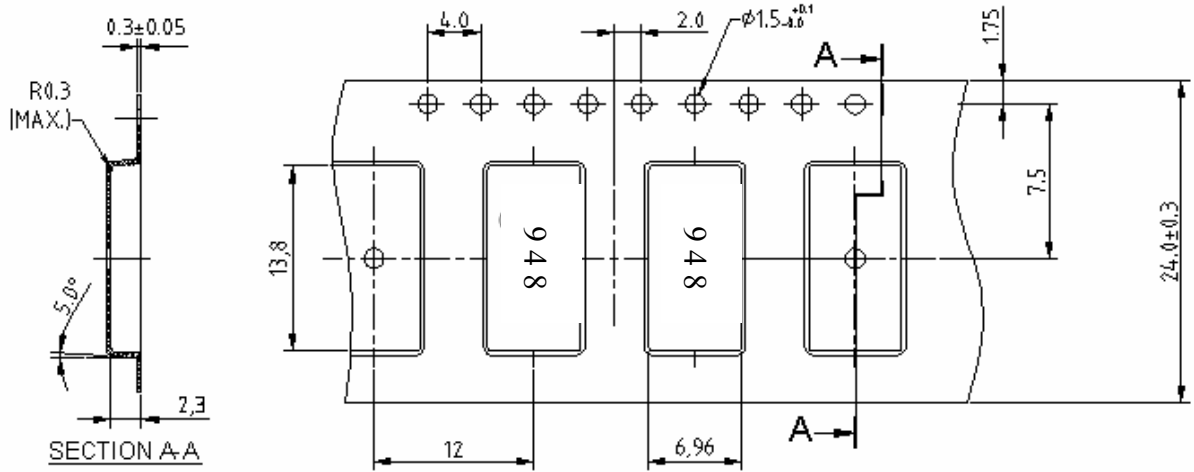


G. Package:

(1). REEL DIMENSION



(2). TAPE DIMENSION



H. Recommended Reflow Profile :

