TAI-SAW TECHNOLOGY CO., LTD.
No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.
TEL: 886-3-4690038 FAX: 886-3-4697532
E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

Approval Sheet For Product Specification

Product Name: SAW Filter 70MHz 1.3MHz BW DIP 35.0×12.8mm

TST Parts No.:TB0940A

Customer Parts No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Andy Yu Andy

Approval by: Francis Chen

Date: 04/06/2011

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 70 MHz(BW=1.3MHz) DIP 35.0mmx12.8mm

MODEL NO.: TB0940A REV.2.0

A. MAXIMUM RATING:

1. Operating Temperature: 0 °C ~ +70 °C
2. Storage Temperature: -40 °C ~ +85 °C
3. Input power: 10dBm

RoHS Compliant

Lead-free soldering

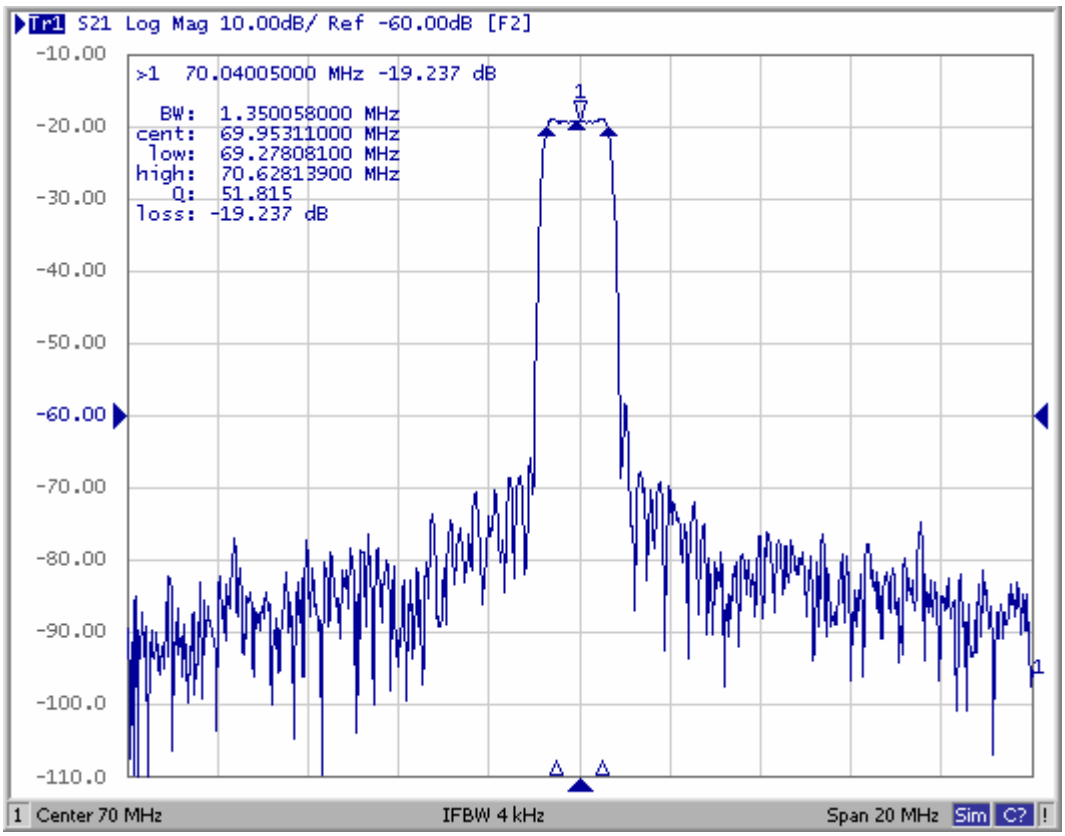
B. Characteristics :

Ambient Temperature: 25 °C

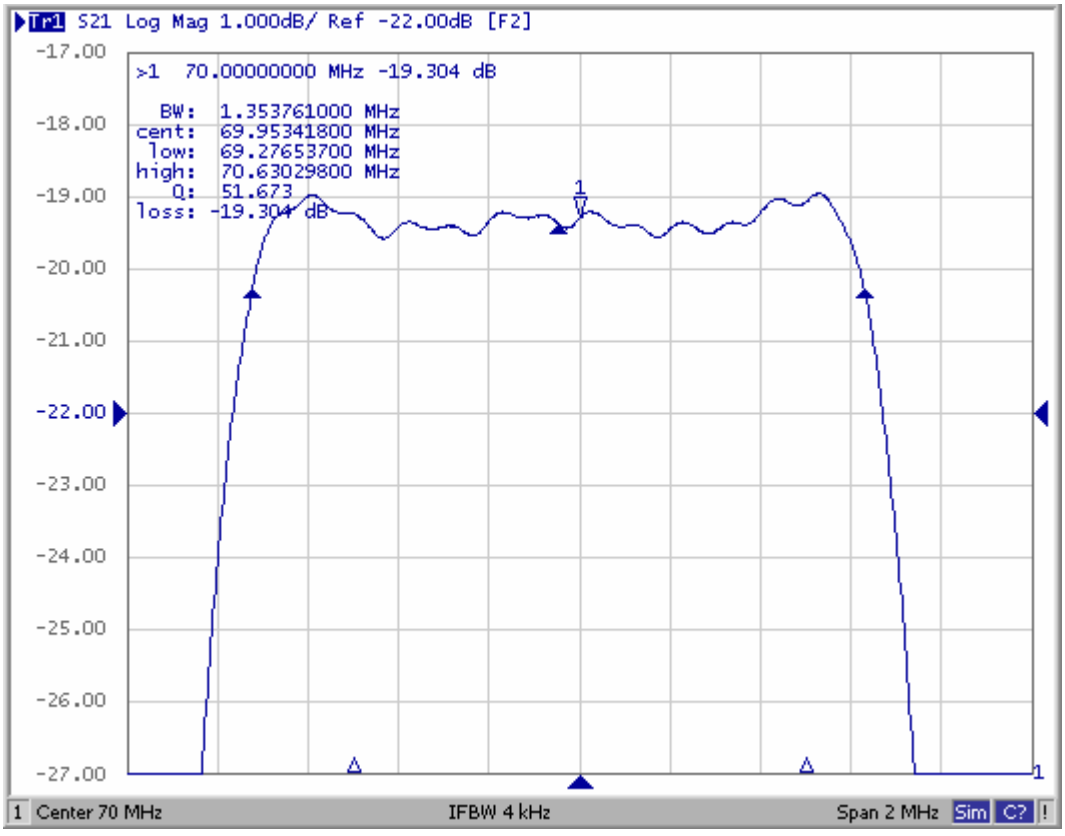
Characteristics		Value			Note
		Min.	Typ.	Max.	
Center frequency F_C	MHz	69.9	70	70.1	-
Minimum Insertion loss I.L.	dB	-	19.2	22.0	-
1dB Bandwidth	MHz	1.3	1.35	-	-
40dB Bandwidth	MHz	-	1.87	1.90	-
45dB Bandwidth	MHz	-	1.90	1.93	-
Passband Ripple (F_C±0.5MHz)	dB	-	0.5	1.0	-
Ultmate Rejection	dB	50	54		
Temp Coefficient	ppm/℃	-	-0.032	-	-
Matching: 1.The input of the filter will be matched to 50 ohm 2.The output of the filter will be matched to 50 ohm					

D. FREQUENCY CHARACTERISTICS :

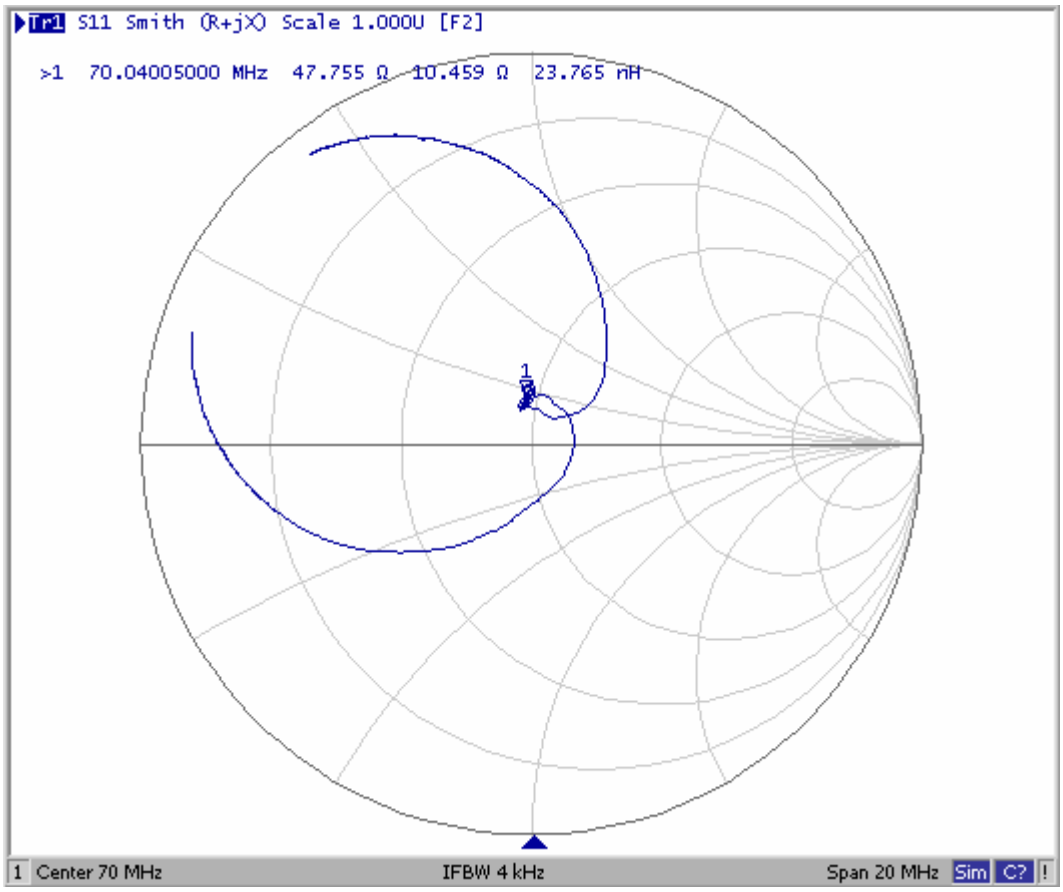
1.S21 Response: (span : 20MHz)



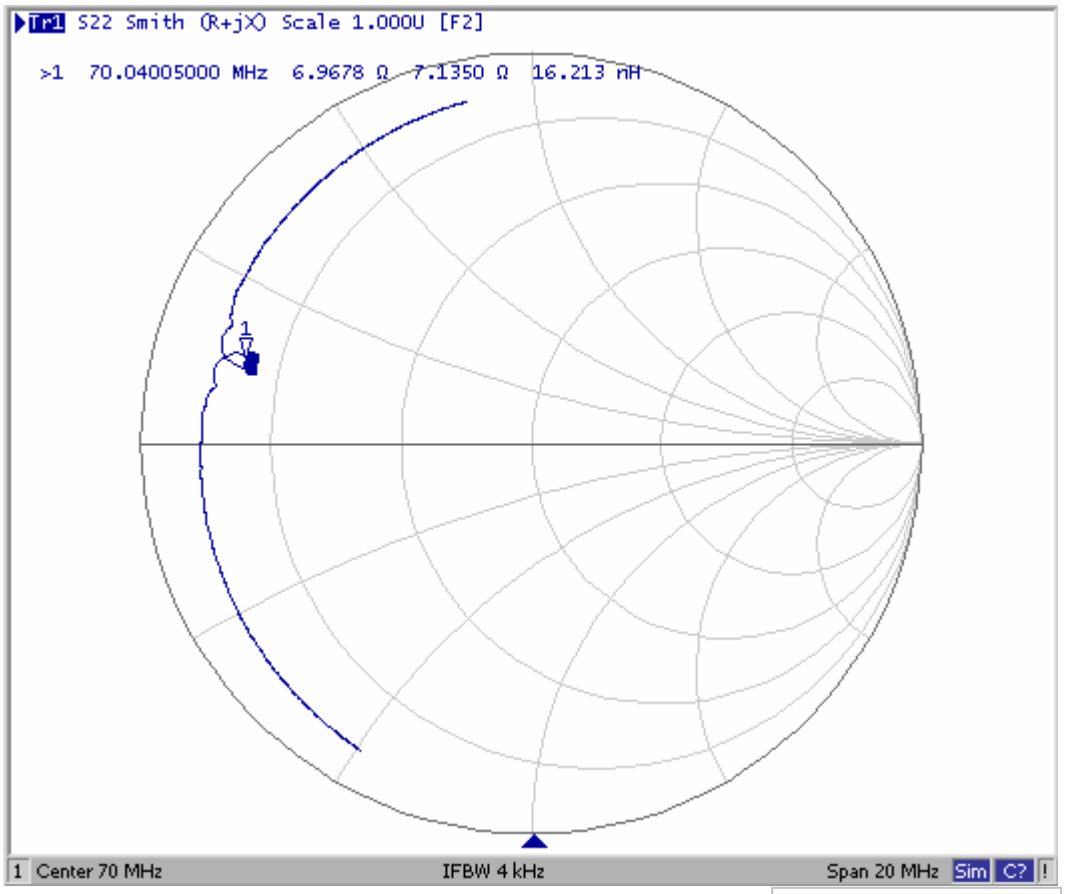
2. Pass-band Response: (span : 2MHz)



3. S11 Smith Chart: (span : 20MHz)

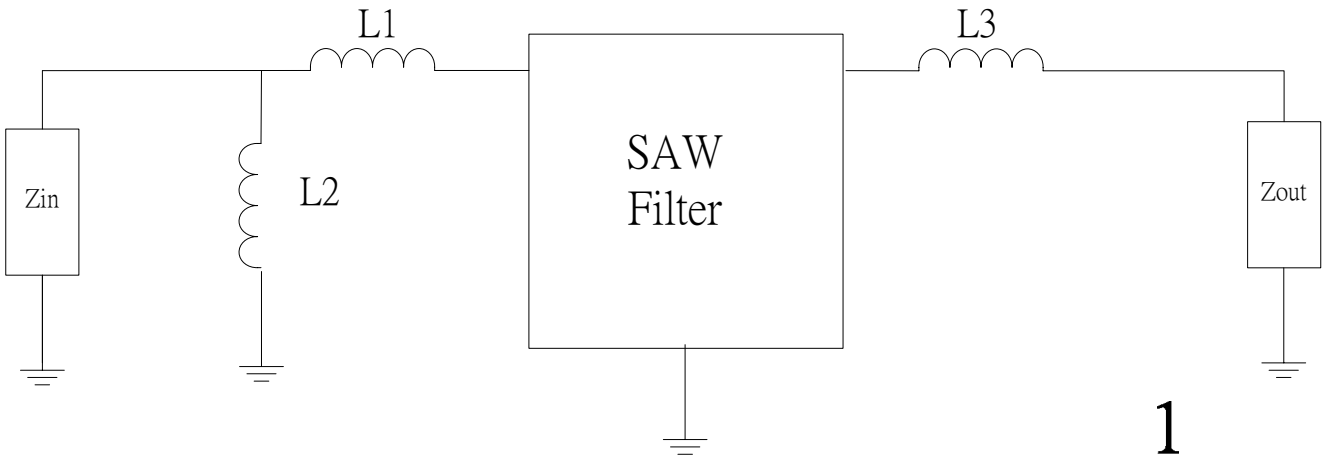


4. S22 Smith Chart (span : 20MHz)



E. MEASUREMENT CIRCUIT

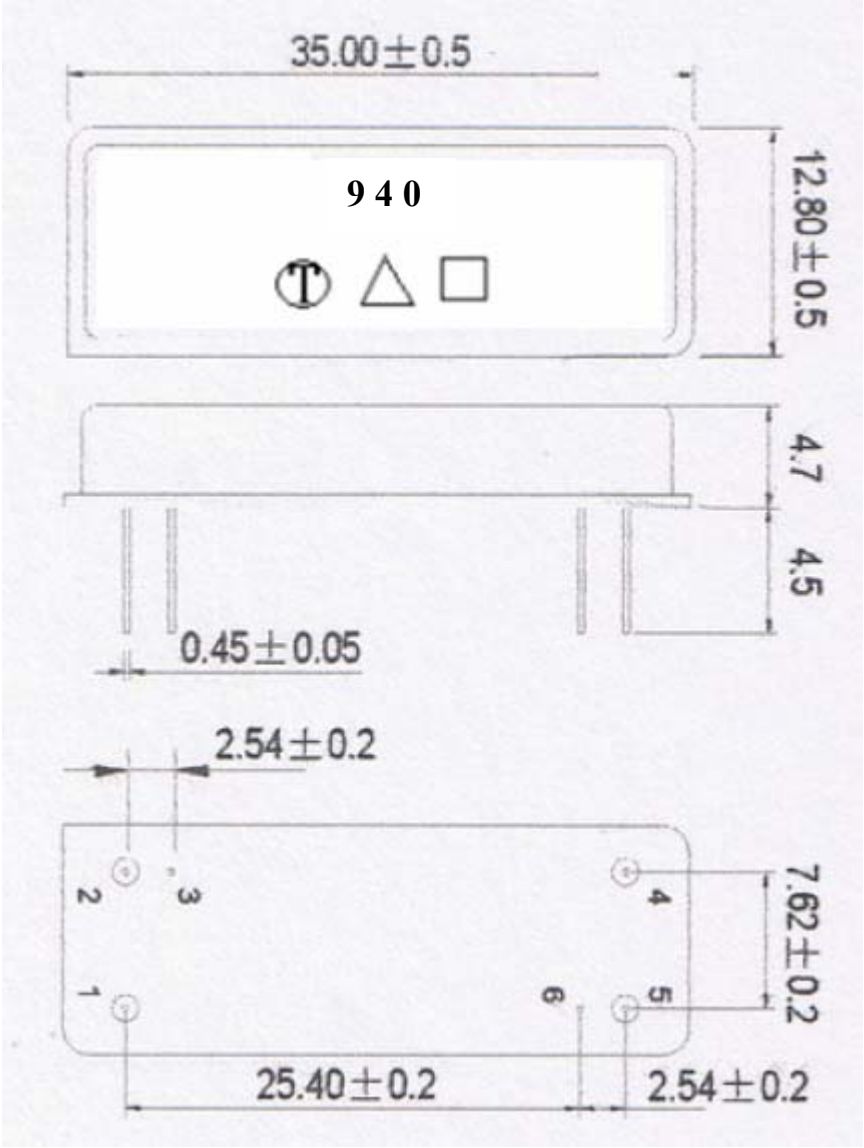
Zin= Zout= 50 ohm



1

L1=150nH, L2=36nH, L3=270nH

F.OUTLINE DRAWING:



Pin 1: RF input

Pin 4: RF output

Pin 3,6: Case Ground

Pin 2, 5: Ground

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

Unit : mm

△ : Product / Year Code

Year	2009	2010	2011	2012
Product Code	B	b	B	b

G. RECOMMENDED REFLOW PROFILE:

