



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet for Product Specification

Issued Date:

Product Name: 355MHz IF SAW Filter (BW=5 MHz)

TST Parts No.: TB0673A

Customer Parts No.: _____

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

Checked by: _____ Andy Yu

Approval by: _____ Francis Chen

Date: _____ 6/4/2008



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SAW Filter 355MHz (SMD 5.0×7.0 mm)

MODEL NO.: TB0673A

Rev. NO. 1

A. MAXIMUM RATINGS:

1. Input Power Level: 10 dBm
2. Operating Temperature: -40 °C ~ 85°C
3. Storage Temperature: -40°C to 85°C

RoHS Compliant
Lead free
Lead-free soldering

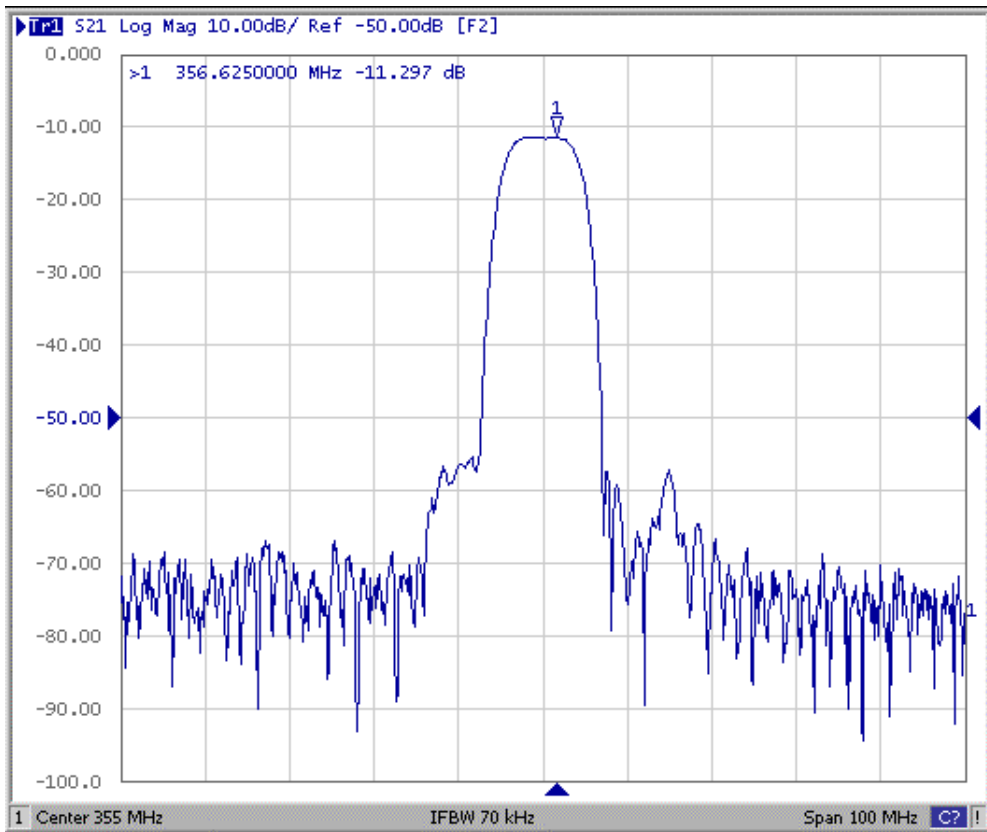
B. ELECTRICAL CHARACTERISTICS:

1. Ambient Temperature: 25 °C

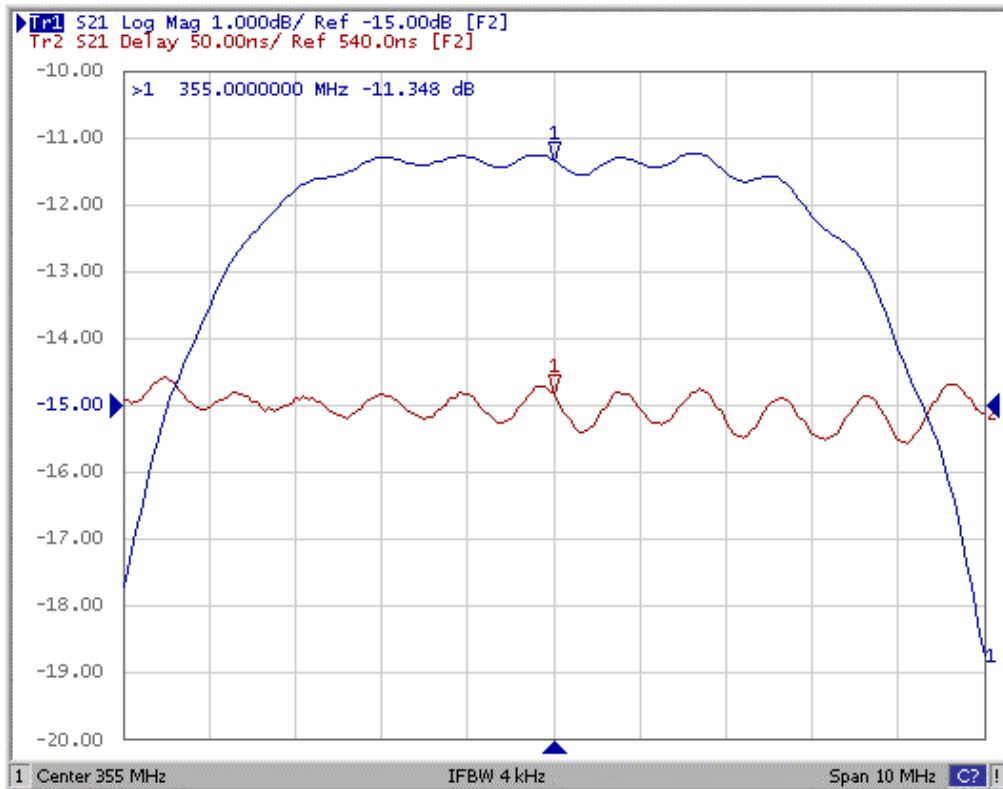
Characteristics		Value		
		Min.		Max.
Center frequency	F_C MHz	-	355.0	-
Maximum Insertion loss	I.L. dB	-	11.2	12.5
1dB Bandwidth	MHz	5	6.5	-
3dB Bandwidth	MHz	-	7.9	-
35dB Bandwidth	MHz	-	14.0	16.0
Passband Ripple in $F_C \pm 2.5$ MHz	dB	-	0.5	1.0
S11 Return Loss $F_C \pm 2.5$ MHz	dB	-	9.0	-
Temp Coefficient	ppm/°C		-18	
Attenuation:(Reference level from minimum insertion loss)				
1)	245 ~ 320 MHz dB	40	58	-
2)	370 ~ 445 MHz dB	40	46	-

C. Frequency Characteristics :

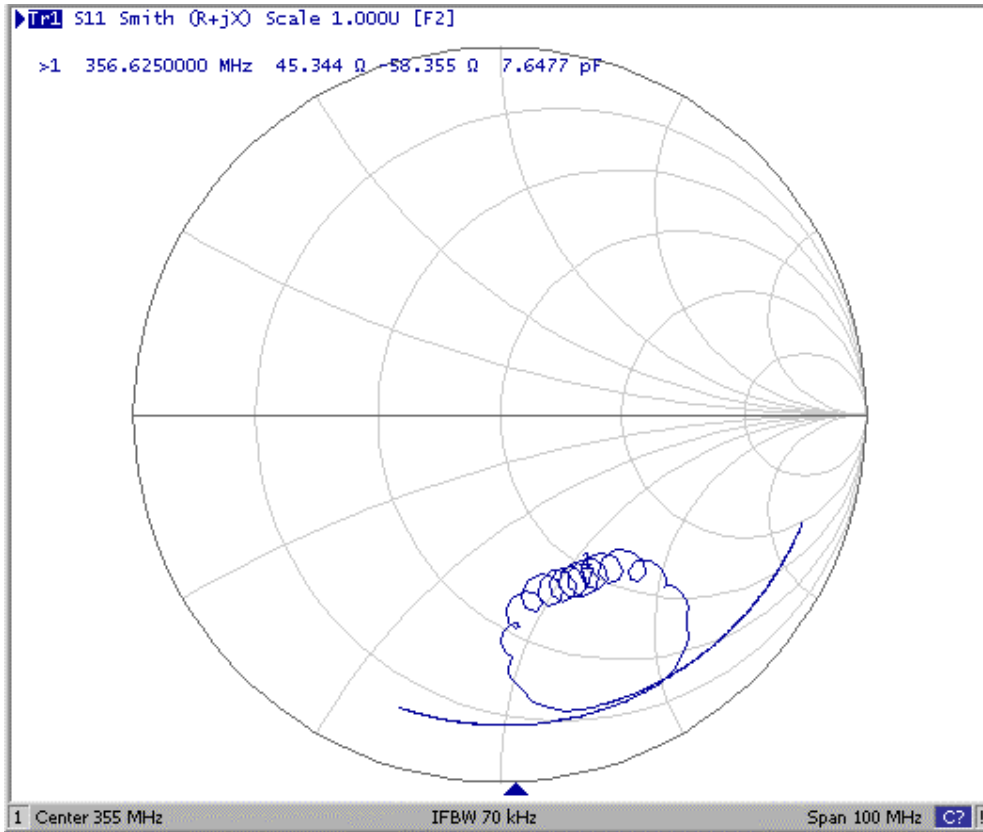
1. S21 Response:(span 100MHz)



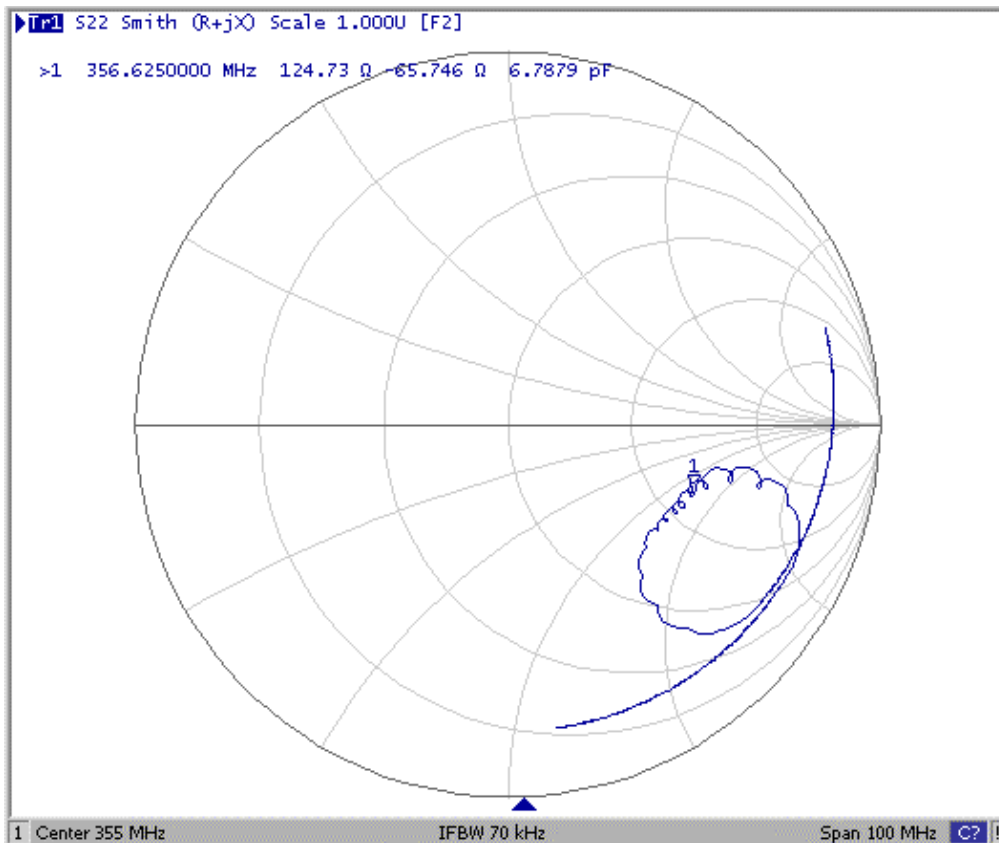
2. Passband Response: (span 10MHz)



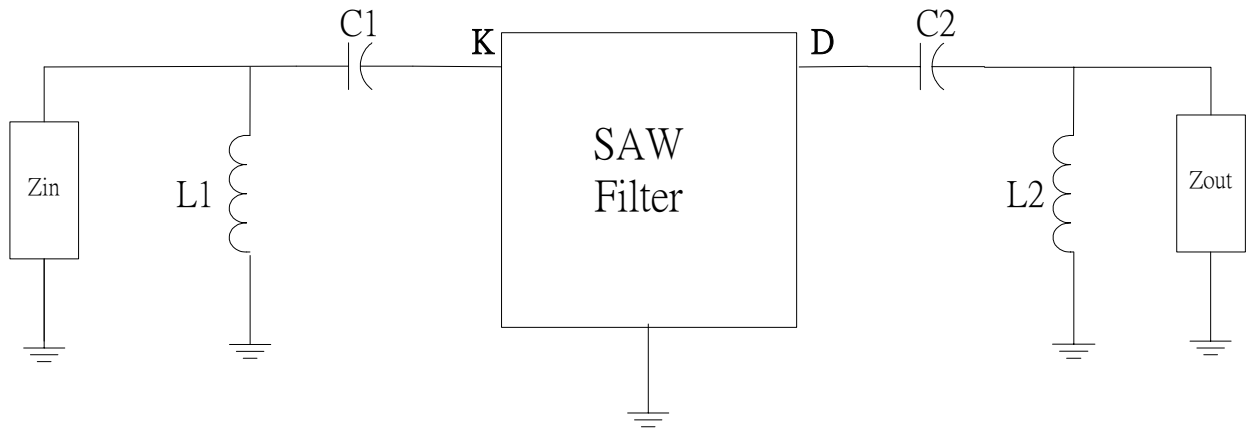
3. S11 Smith-Chart: (span 100MHz)



4. S22 Smith-Chart: (span 100MHz)



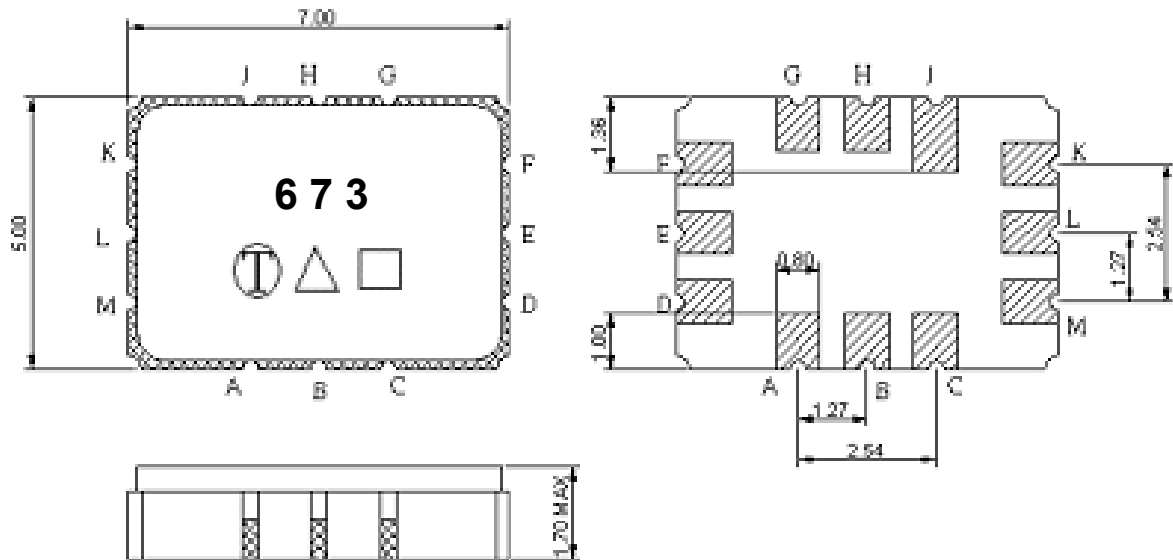
D. TEST CIRCUIT:



$Z_{in} = Z_{out} = 50 \text{ ohm}$

$L1=27\text{nH}, C1=57\text{pF}, L2=18\text{nH}, C2=68\text{pF}$

E. OUTLINE DRAWING:



Pin K: RF input

Pin D: RF output

Pin L, M, A, B, C, E, F, G, H, I: Ground

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

Unit : mm

△ : Product / Year Code

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

G. Recommended Reflow Profile:

