TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Tao-Yuan, 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

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

RoHS Compliant
Lead free
Lead-free soldering

A. MAXIMUM RATINGS:

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

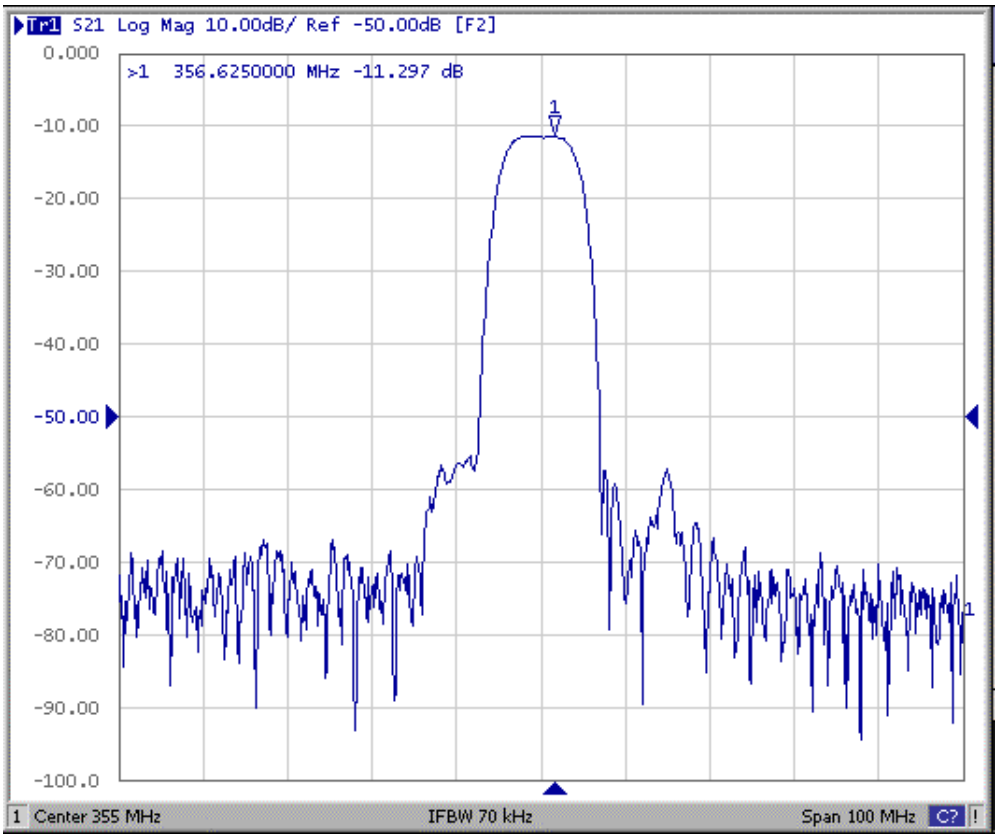
B. ELECTRICAL CHARACTERISTICS:

1. Ambient Temperature: 25 °C

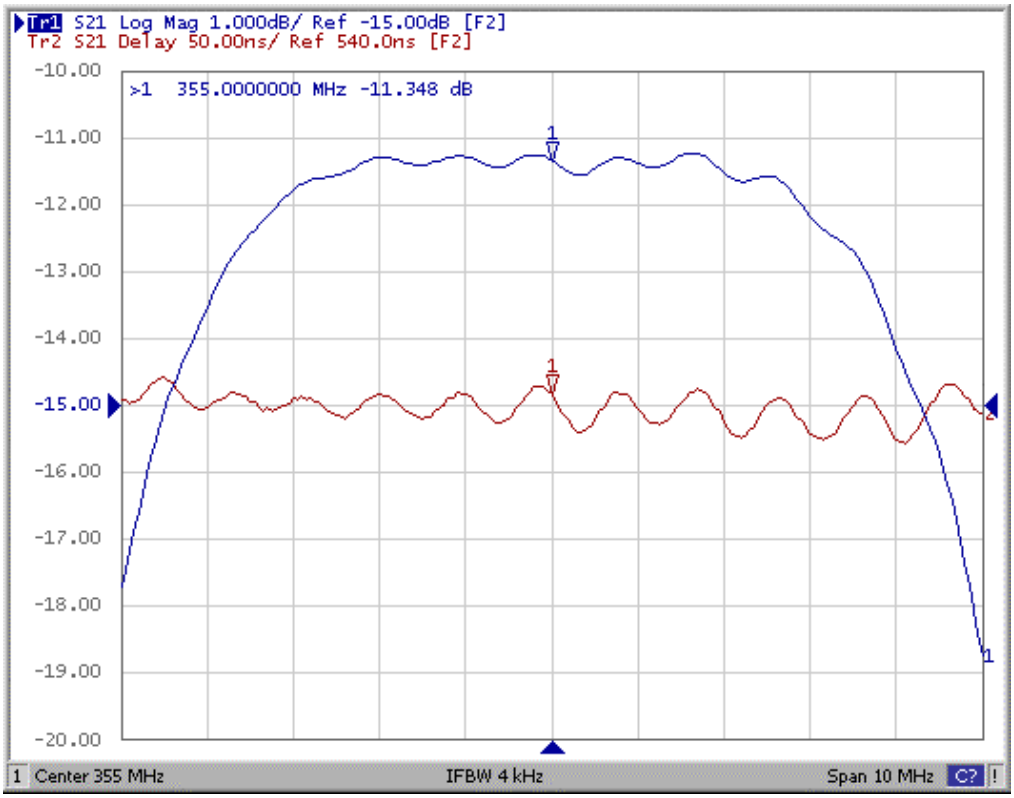
Characteristics		Value		
		Min.		Max.
Center frequency F_C	MHz	-	355.0	-
Maximum Insertion loss I.L.	dB	-	11.2	12.5
1dB Bandwidth	MHz	5	6.5	-
3dB Bandwidth	MHz	-	7.9	-
35dB Bandwidth	MHz	-	14.0	16.0
Passband Ripple in F_C±2.5 MHz	dB	-	0.5	1.0
S11 Return Loss F_C±2.5 MHz	dB	-	9.0	-
Temp Coefficient	ppm/° 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 :

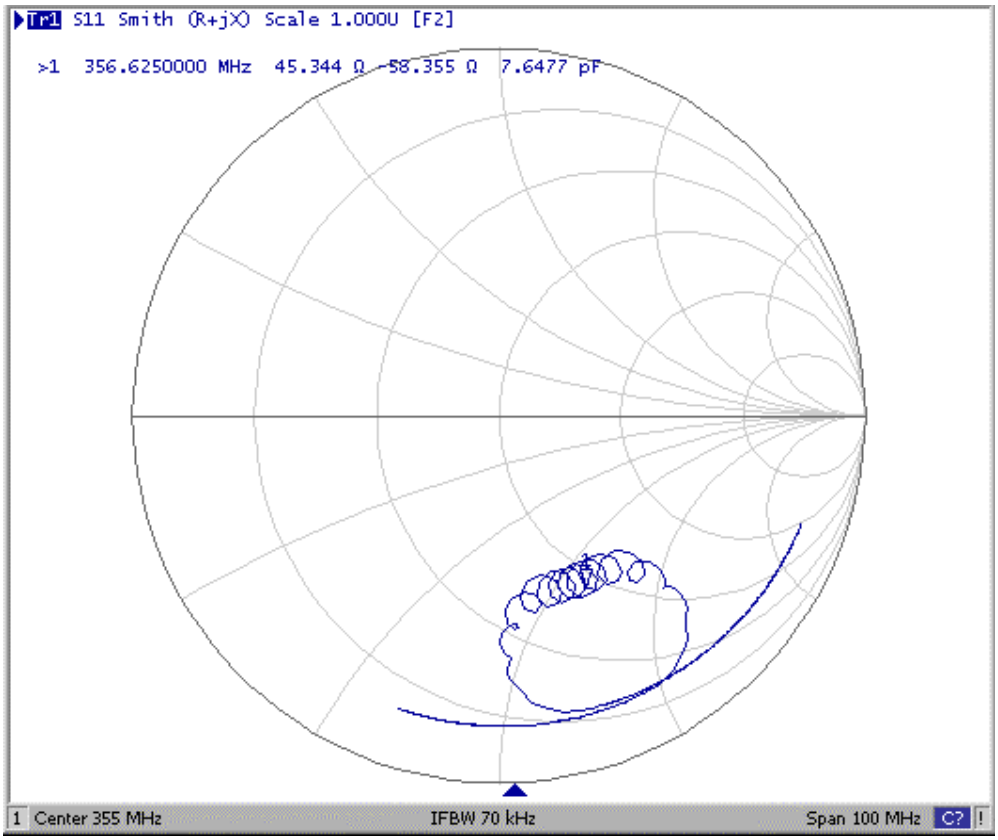
1. S21 Response:(span 100MHz)



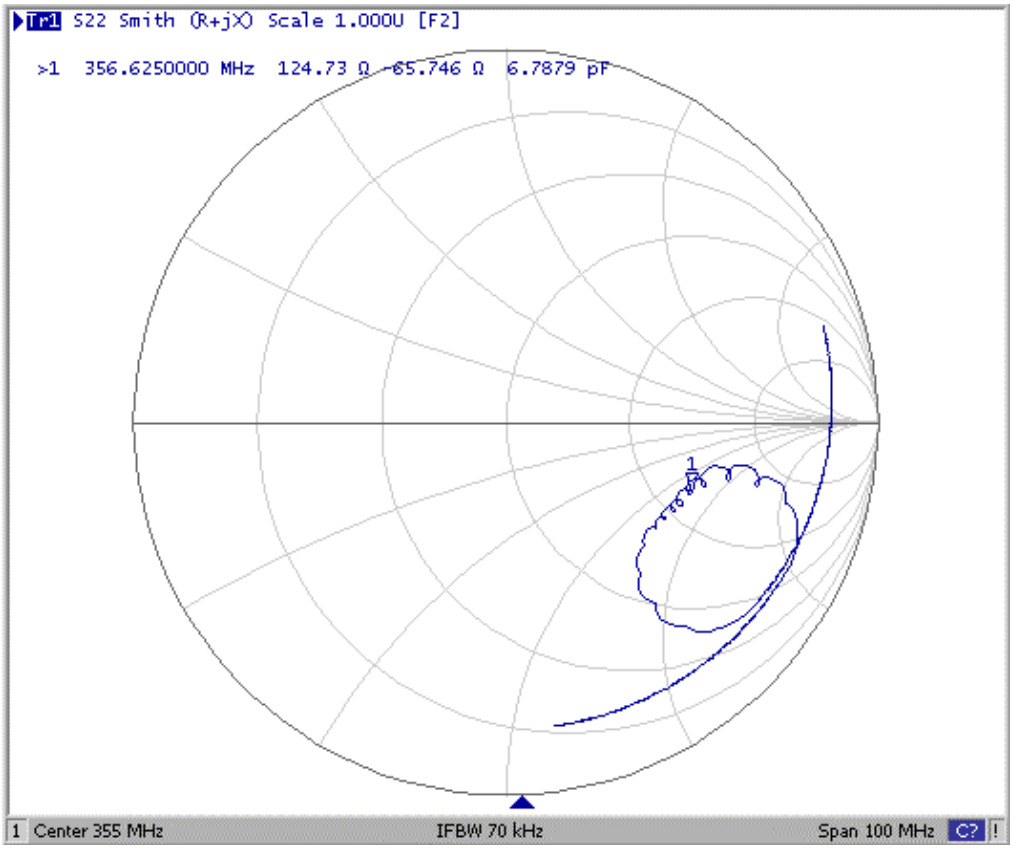
2. Passband Response: (span 10MHz)



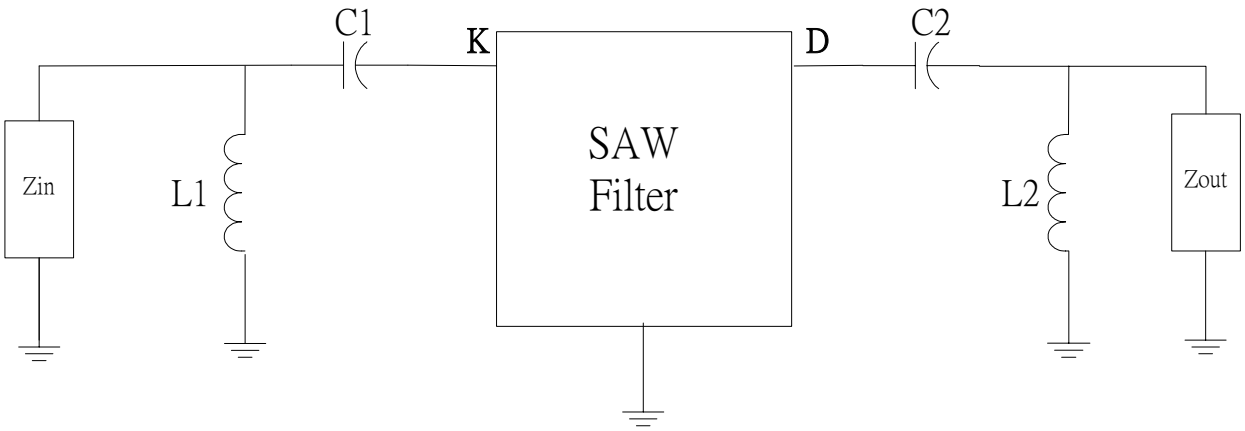
3. S11 Smith-Chart: (span 100MHz)



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



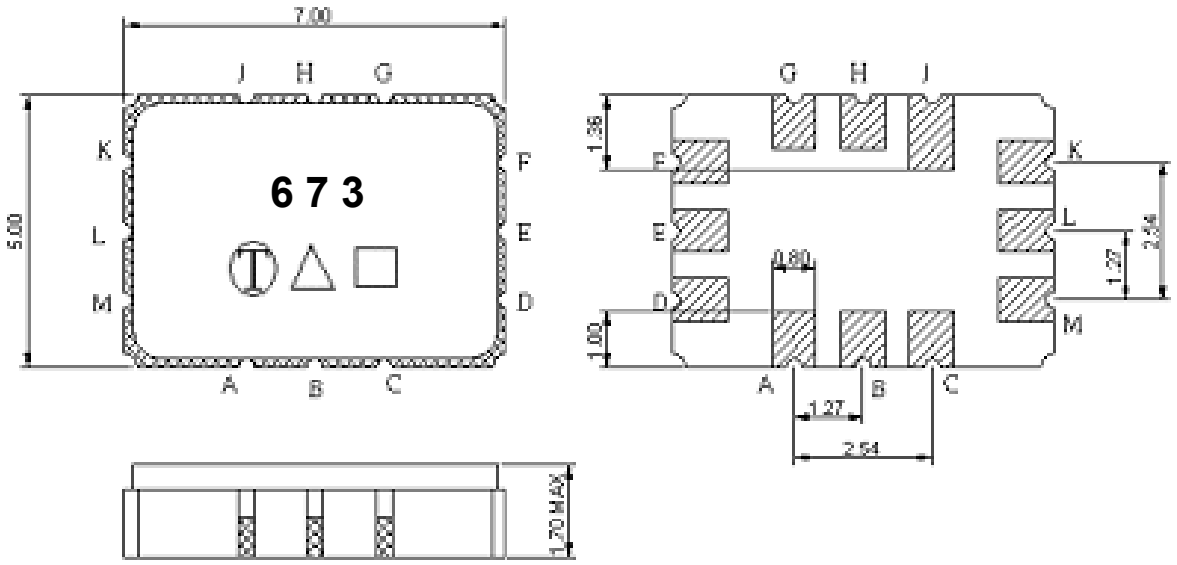
D. TEST CIRCUIT:



Zin = Zout =50 ohm

L1=27nH, C1=57pF, L2=18nH, C2=68pF

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

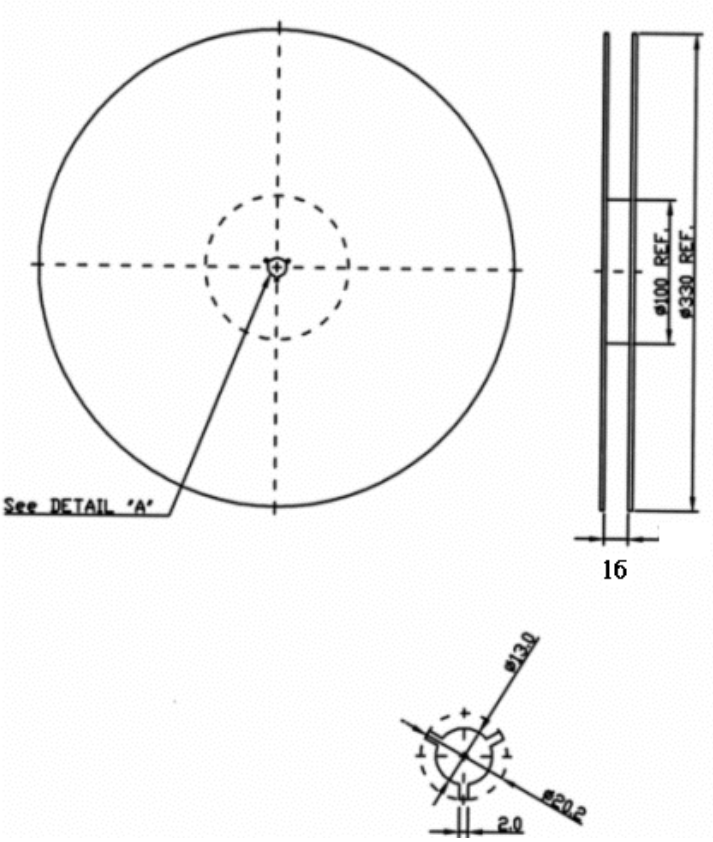
△ : Product / Year Code

Year	2005 2009	2006 2010	2007 2011	2008 2012
Product Code	B	b	B	b

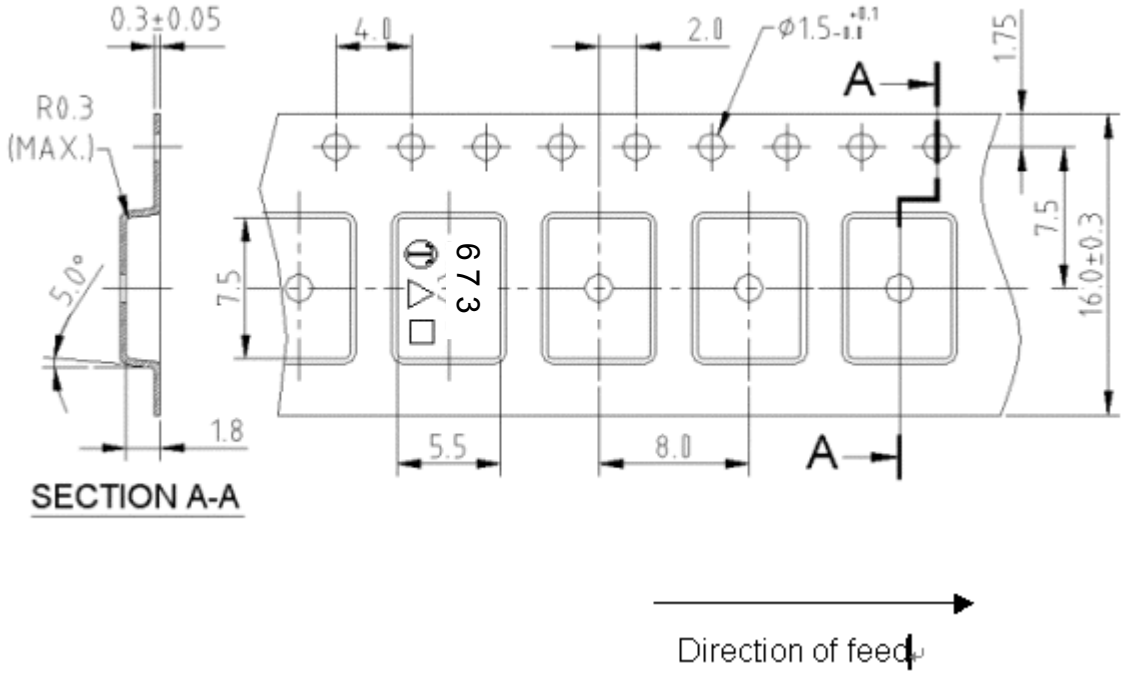
F.PACKING:

1.REEL DIMENSION

(Reel Count: 7”=1000 typ.; 13”=2000 typ.)



2.TAPE DIMENSION



G. Recommended Reflow Profile:

