



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet for Product Specification

Issued Date:

Product Name: 420MHz IF SAW Filter (BW=36 MHz)

TST Parts No.: TB0704A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Andy Yu *Andy Yu*

Approval by: _____ Francis Chen *Francis Chen*

Date: _____ 9/17/2007



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SAW Filter 420MHz (SMD 5.0×5.0 mm)

MODEL NO.: TB0704A

Rev. NO. 1.0

A. MAXIMUM RATING:

1. Operating Temperature: -30°C ~ +70°C
2. Storage Temperature: -40 °C ~ +85 °C

RoHS Compliant
Lead free
Lead-free soldering

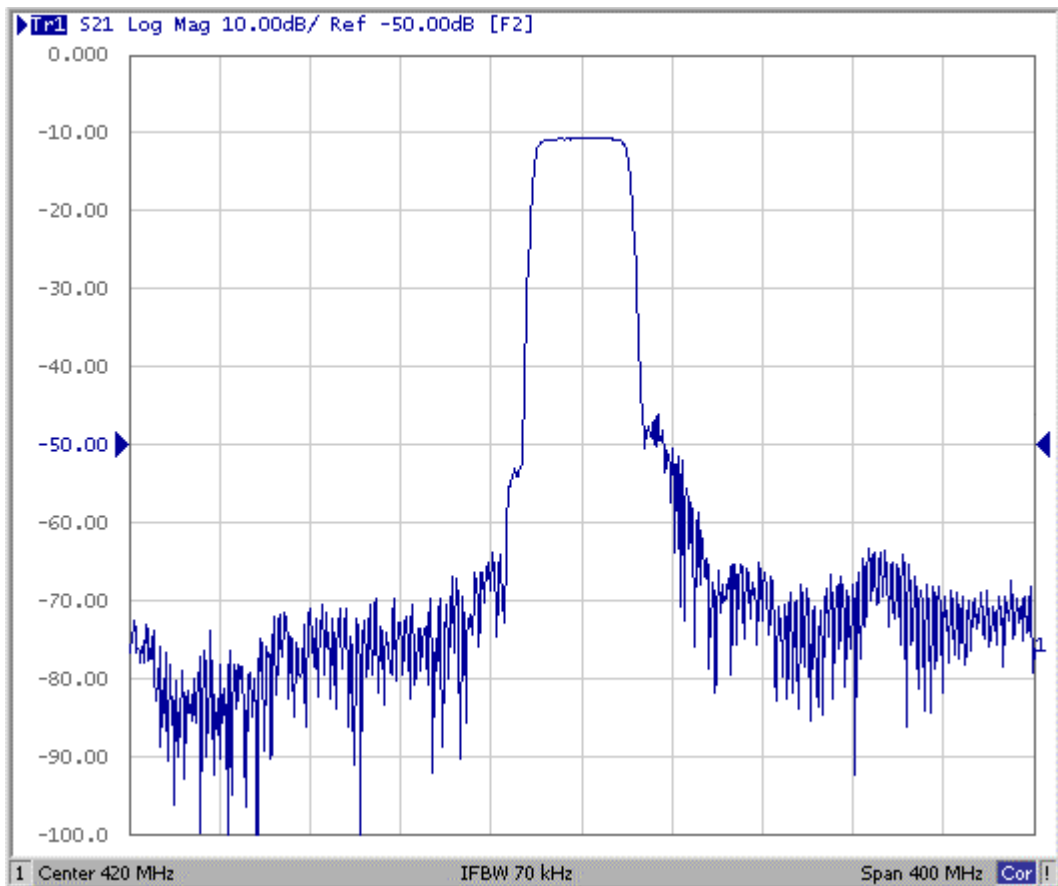
B. Characteristics :

1. Ambient Temperature: 25 °C

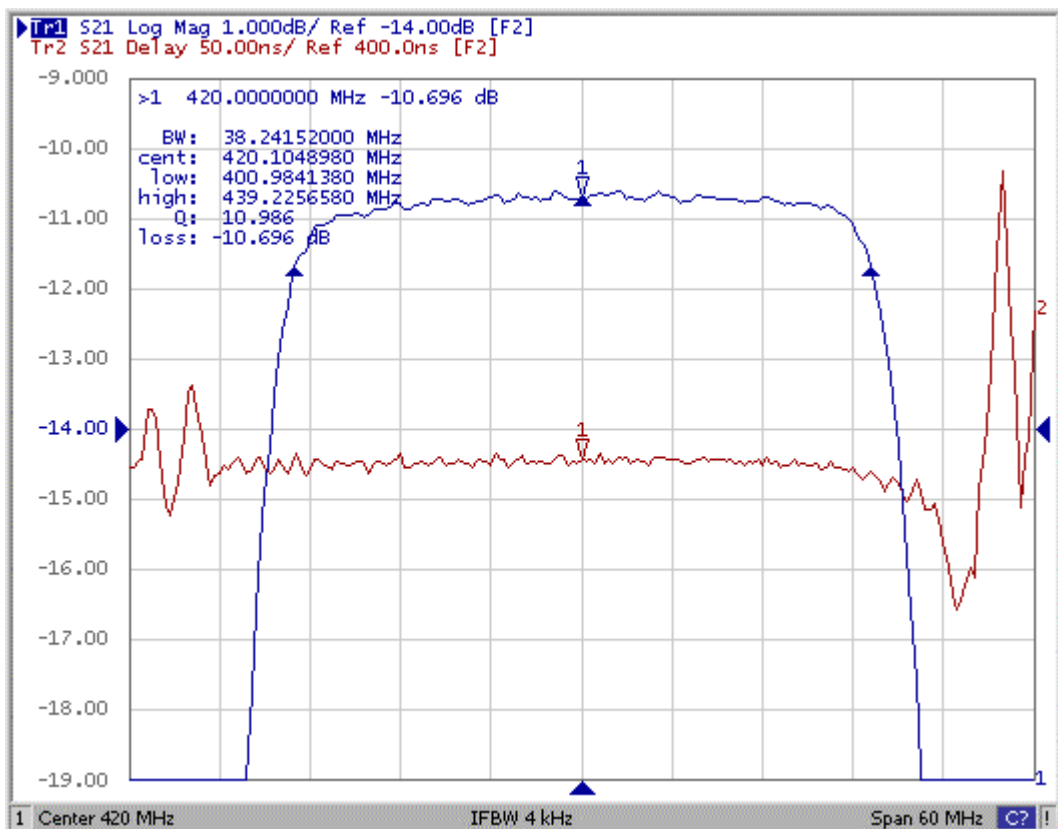
Item	Unit	Min.	Type.	Max.
Center frequency, Fc	MHz	-	420	-
Max Insertion Loss	dB	-	10.5	13
3 dB Bandwidth	MHz	36	41.0	-
Pass band Ripple Fc±18MHz	dB	-	0.6	1.0
Relative Attenuation: (Reference level from Max IL)				
Fc - 28MHz	dB	35	44	-
Fc + 28MHz	dB	20	38	-

C.FREQUENCY CHARACTERISTICS:

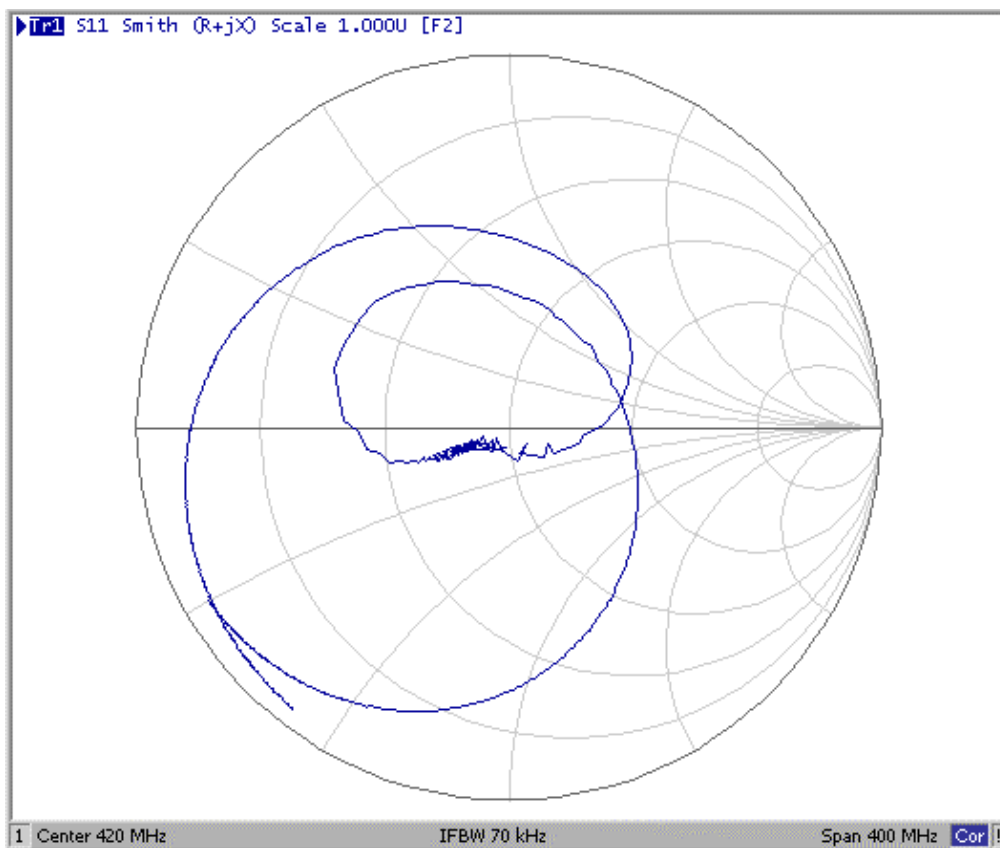
(1) S21 Response:(span 400MHz)



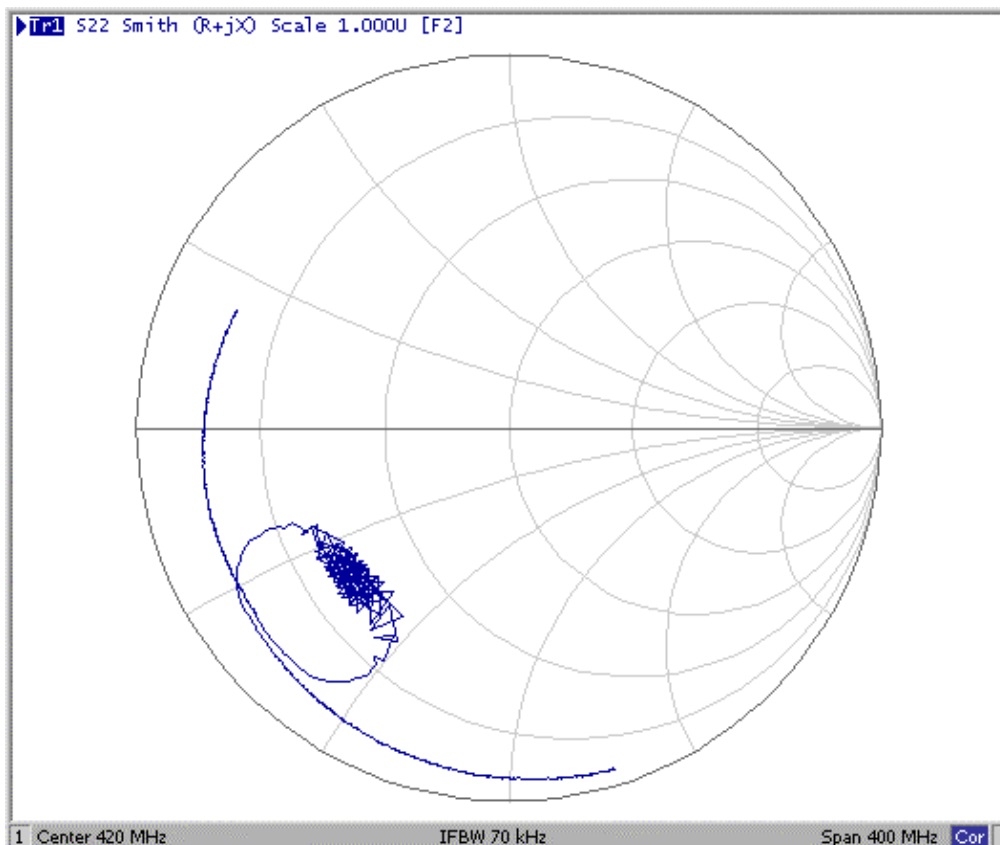
(2) Passband of Response: (span: 60MHz)



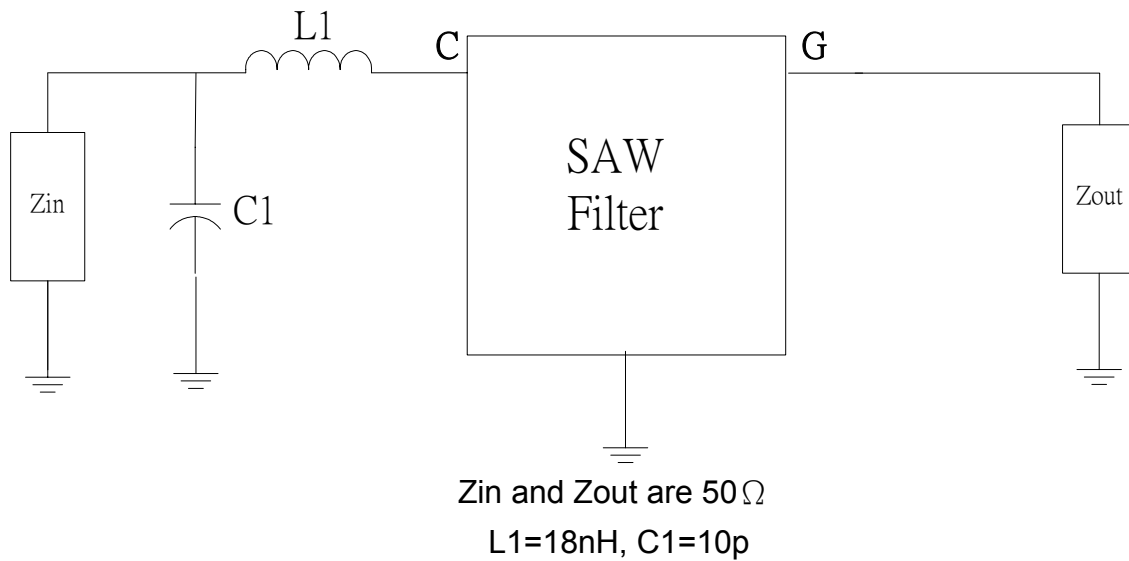
(3) S11 Smith Chart: (span 400MHz)



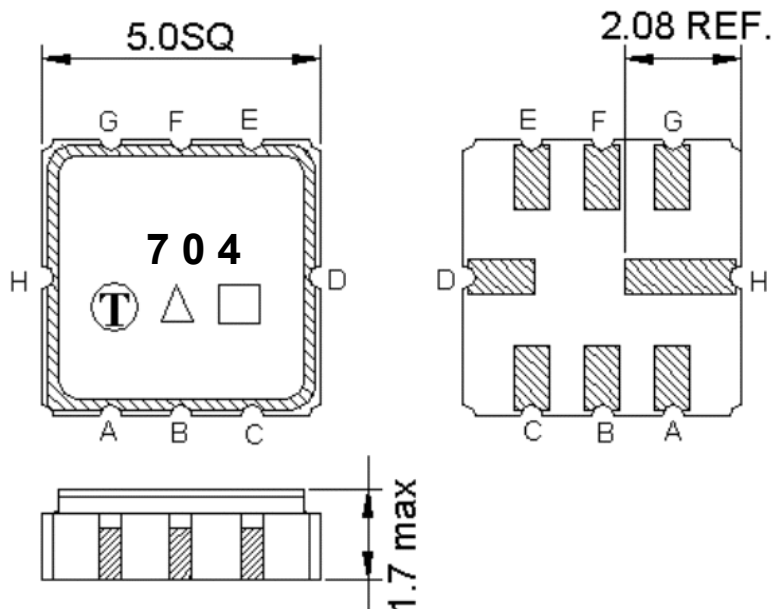
(4) S22 Smith Chart: (span 400MHz)



D. TEST CIRCUIT:



E. OUTLINE DRAWING:



Pin C: RF input

Pin G: RF output

Pin H,D: Case Ground

Pin A, B, E, F: Ground

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

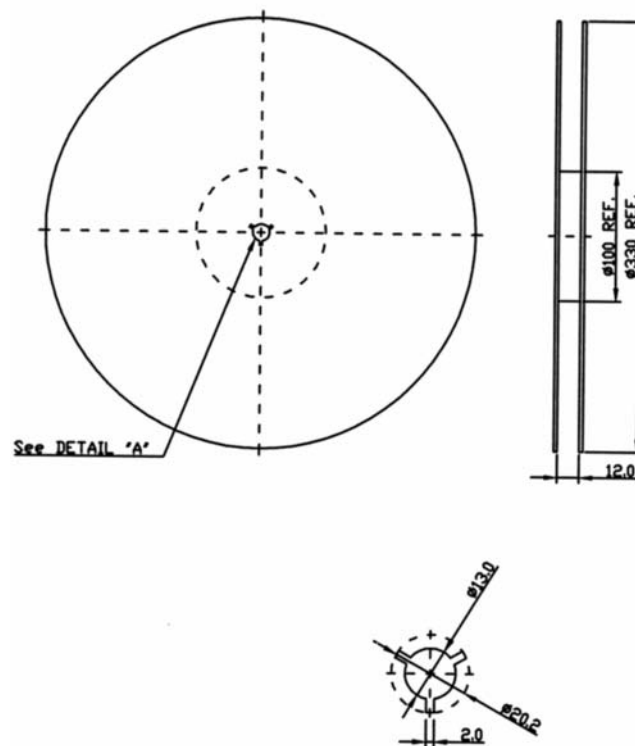
Unit : mm

△ : Product / Year Code

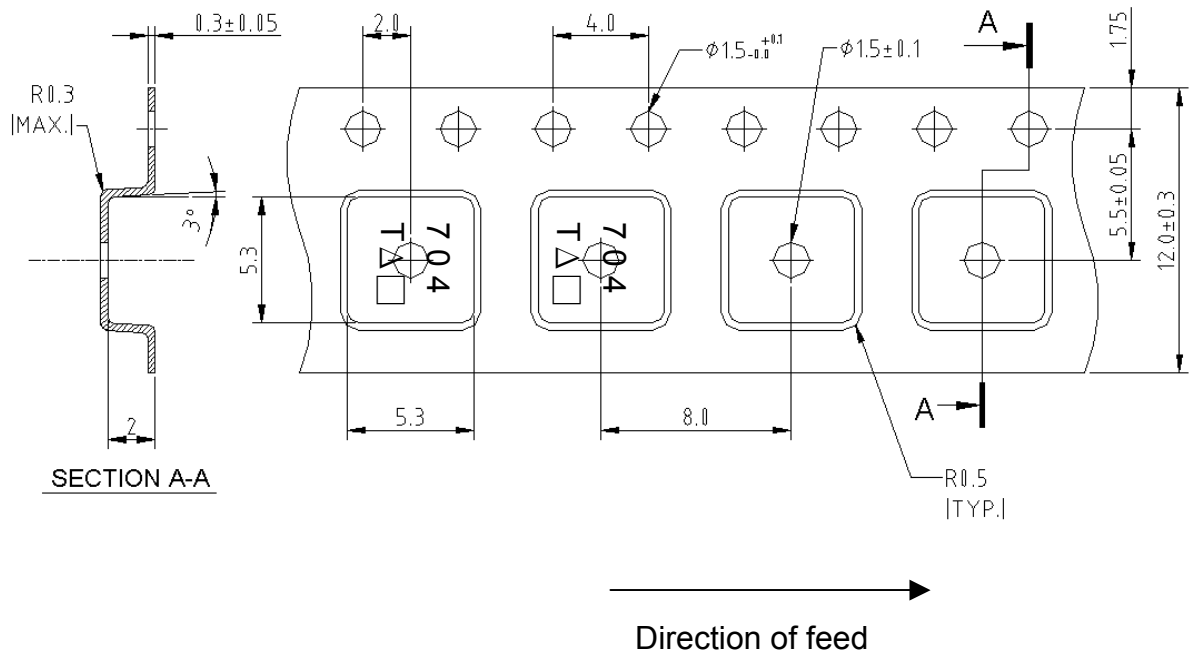
Year	2005 2009	2006 2010	2007 2011	2008 2012
Product Code	B	b	<u>B</u>	<u>b</u>

F.PACKING:

1.REEL DIMENSION



2.TAPE DIMENSION



G. Recommended Reflow Profile:

