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: 453MHz IF SAW Filter (BW=36 MHz)

TST Parts No.: TB0705A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Andy Yu Andy Yu

Approval by: Francis Chen

Date: 9/17/2007

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SAW Filter 453MHz (SMD 5.0×5.0 mm)
MODEL NO.: TB0705A Rev. NO. 1.0

A. MAXIMUM RATING:

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

RoHS Compliant
Lead free
Lead-free soldering

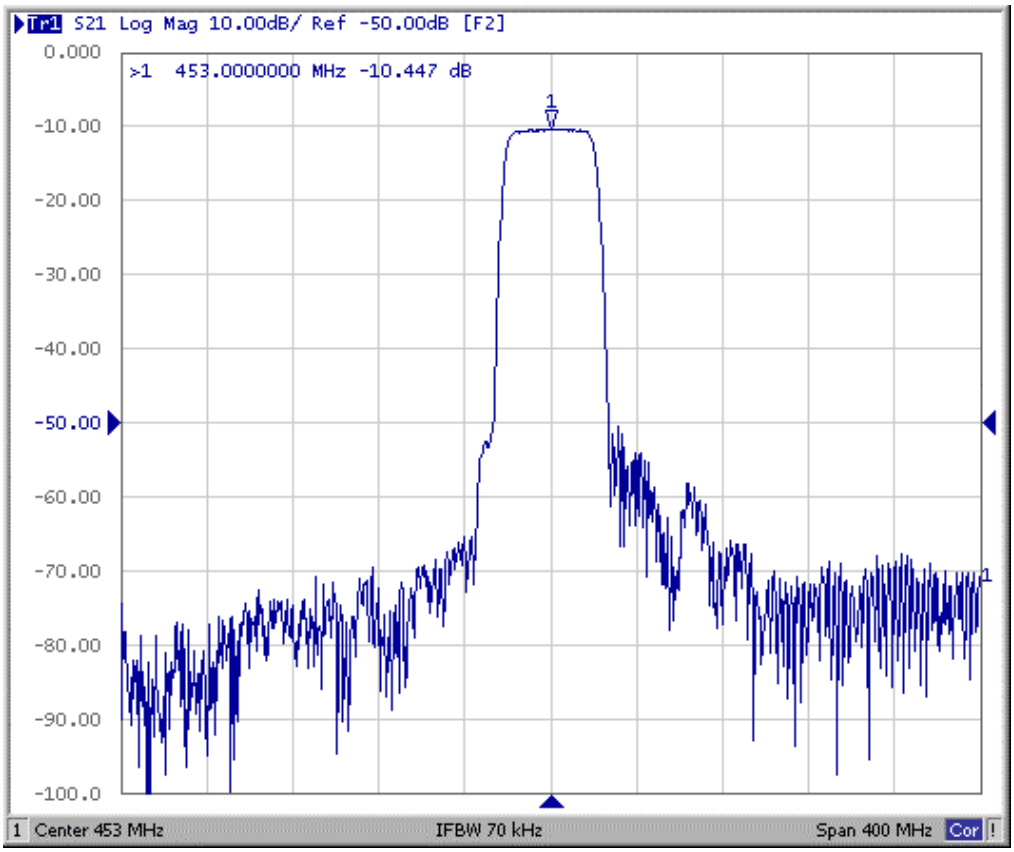
B. Characteristics :

1. Ambient Temperature: 25 °C

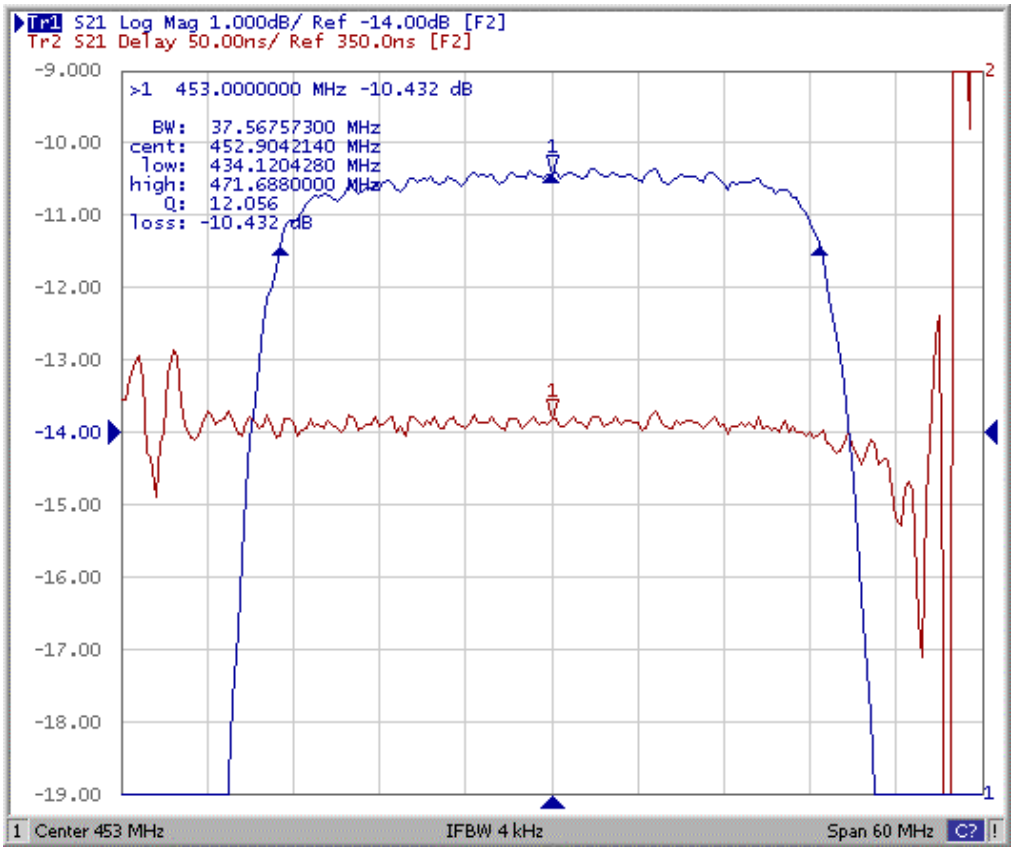
Item	Unit	Min.	Type.	Max.
Center frequency, **Fc**	MHz	-	453	-
Max Insertion Loss	dB	-	10.5	13
3 dB Bandwidth	MHz	36	40.0	-
Pass band Ripple **Fc+/-18MHz**	dB	-	0.7	1.0
Relative Attenuation: (Reference level from Max IL)				
Fc - 28MHz	dB	35	42	-
Fc + 28MHz	dB	20	44	-

C.FREQUENCY CHRACTERISTICS:

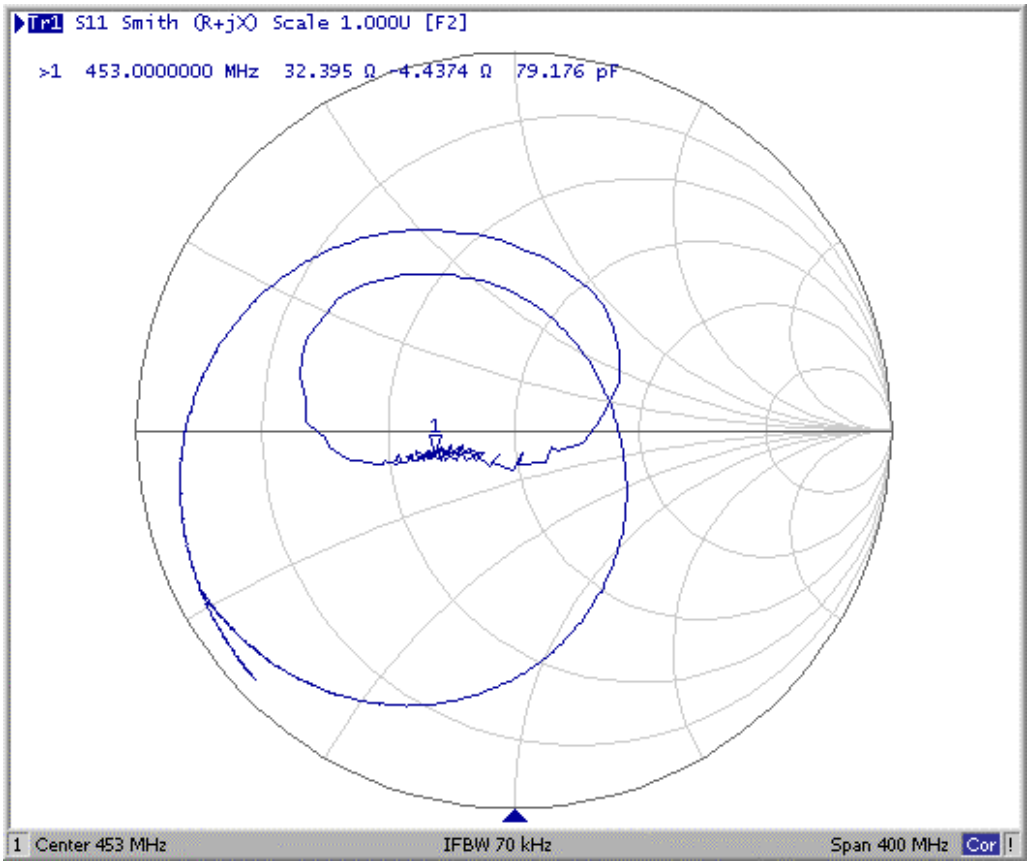
(1) S21 Response:(span 400MHz)



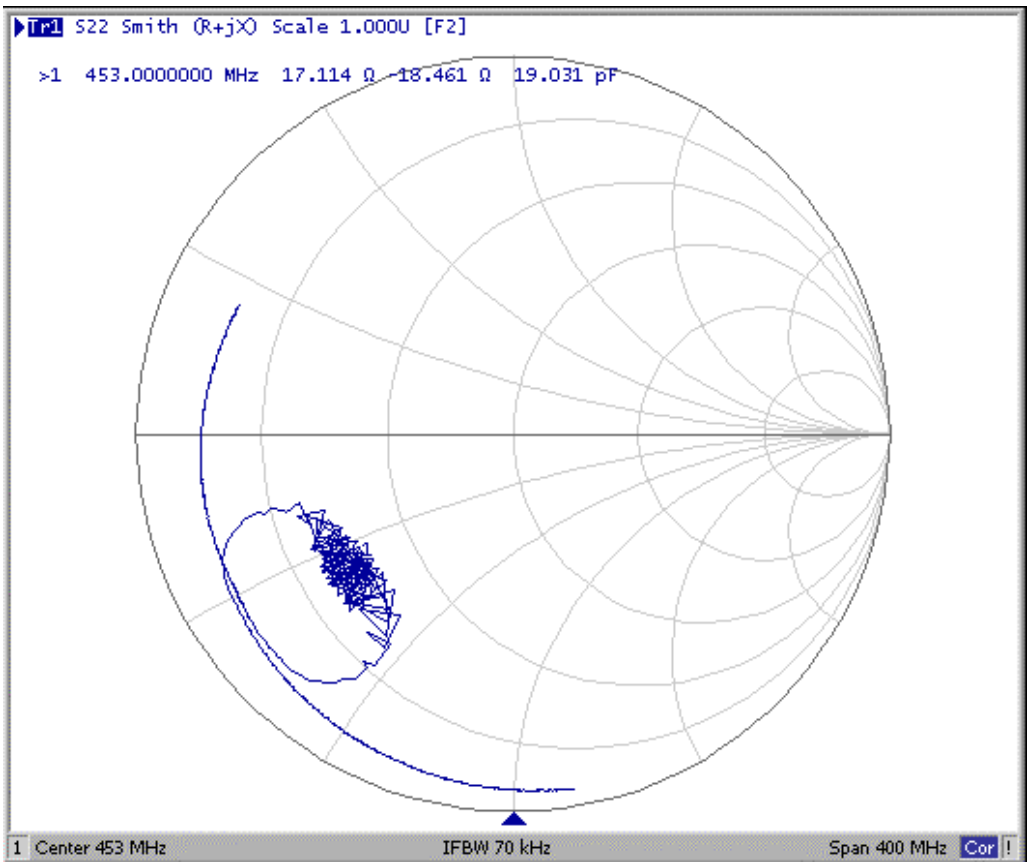
(2) Passband of Response: (span: 60MHz)



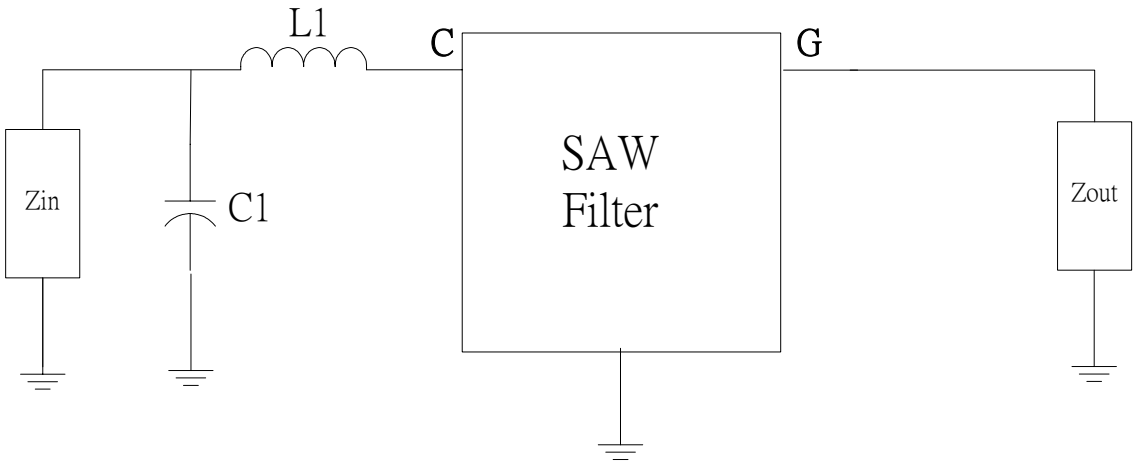
(3) S11 Smith Chart: (span 400MHz)



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



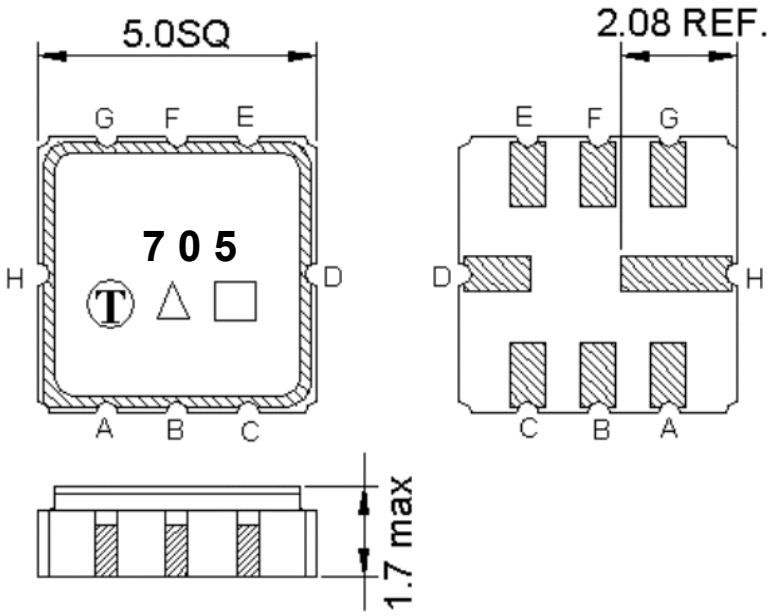
D. TEST CIRCUIT:



Zin and Zout are 50Ω

L1=15nH, C1=10p

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)

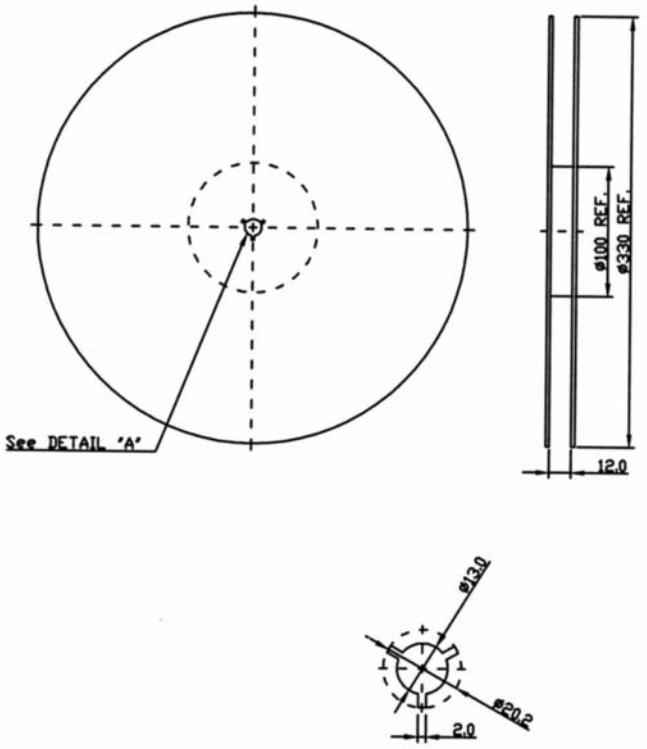
Unit : mm

△ : Product / Year Code

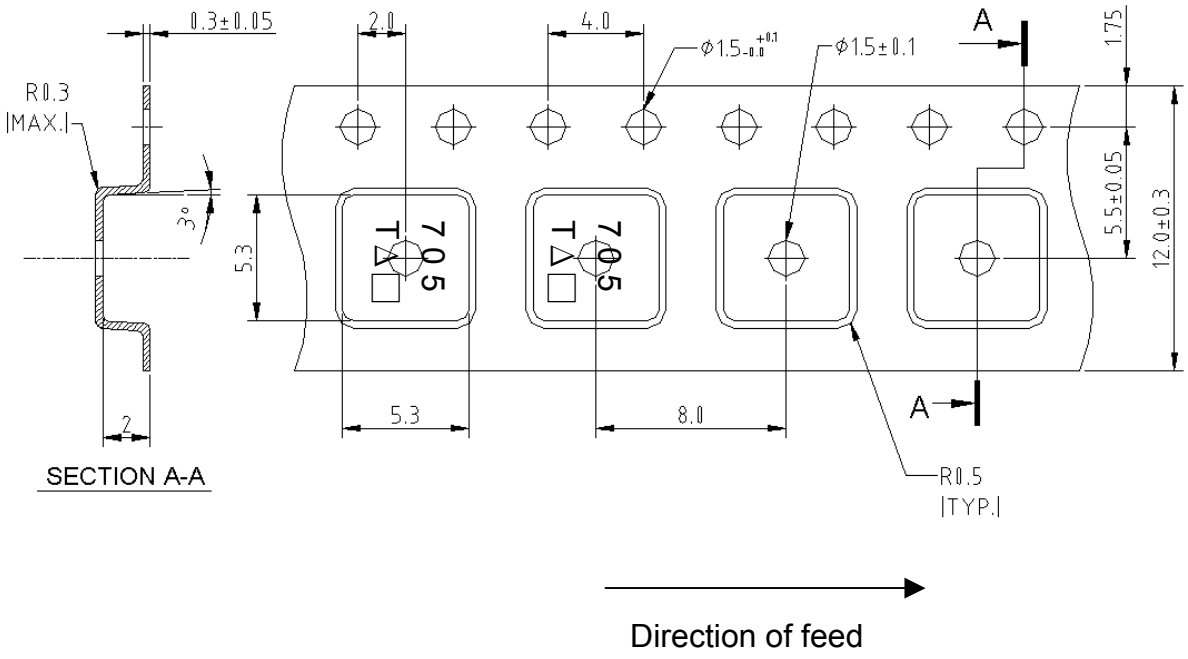
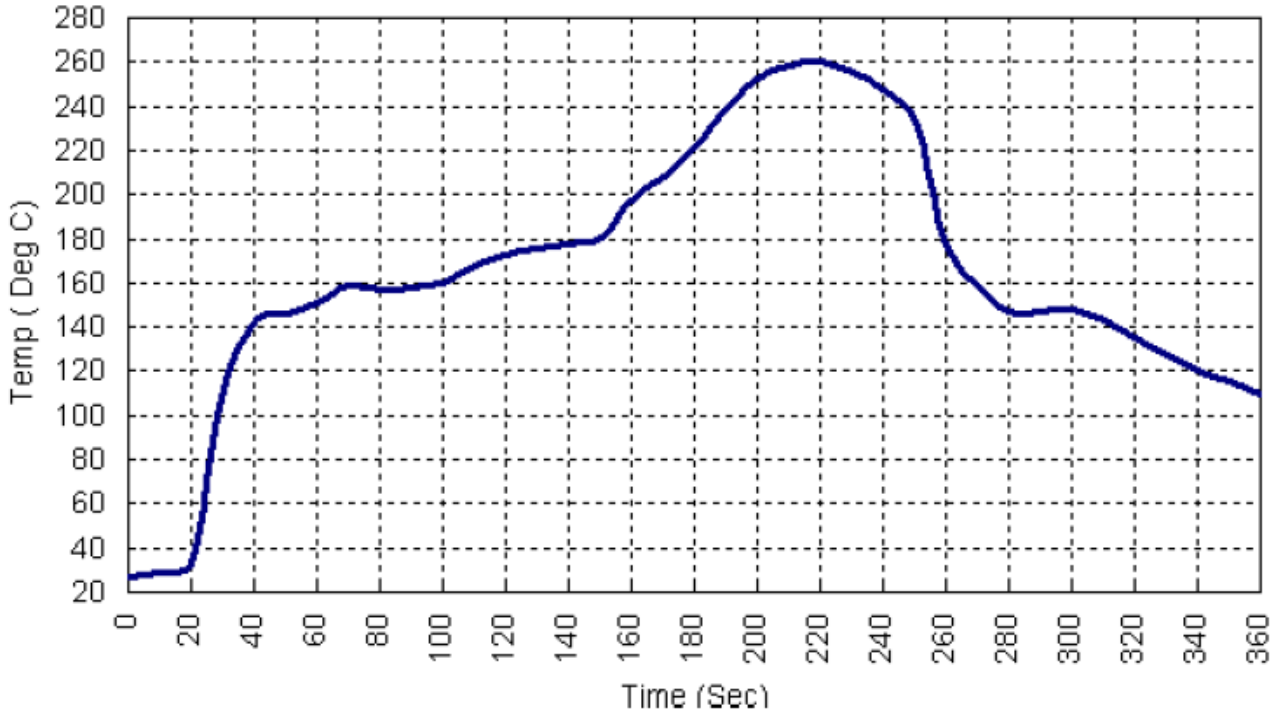
Year	2005 2009	2006 2010	2007 2011	2008 2012
Product Code	B	b	B	b

F.PACKING:

1.REEL DIMENSION



2.TAPE DIMENSION



G. Recommended Reflow Profile: