



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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Approval Sheet For Product Specification

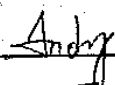
Issued Date:

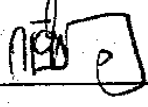
Product Name: IF SAW Filter 80 MHz SMD13.3X6.5

TST Parts No.: TB0292A

Customer Parts No.: _____

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

Checked by: _____ Andy Yu 

Approval by: _____ Francis Chen 

Date: _____ 2009/09/18

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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IF SAW Filter 80 MHz (SMD 13.3X6.5)

MODEL NO.:TB0292A

REV. NO.:5.0

A. MAXIMUM RATING:

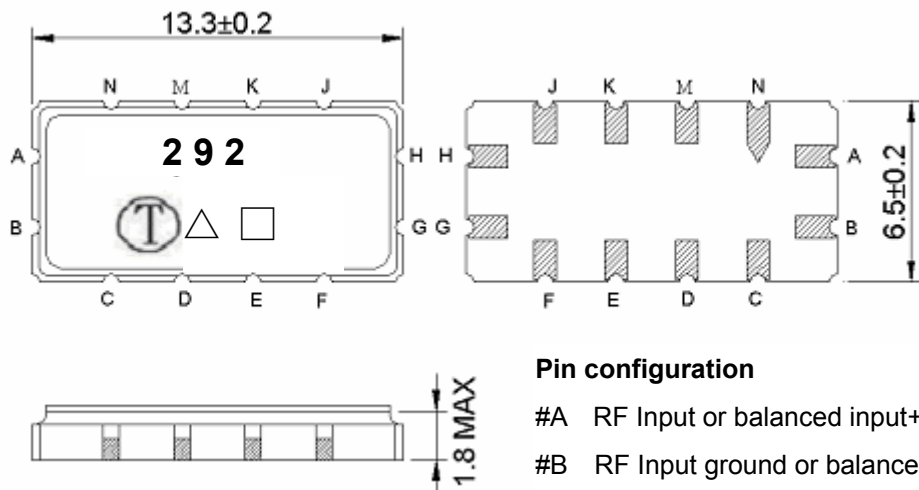
- 1.Input Power Level: 10 dBm
- 2.Operating Temperature: -40°C to +65°C
- 3.Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.
Center frequency, F_c	MHz		80	-
Insertion Loss, IL at F _c	dB		9.89	11.5
1 dB Bandwidth	MHz	8.4	11	
3 dB Bandwidth	MHz	9.0	11.7	
35 dB Bandwidth	MHz	-	14.2	
Amplitude Ripple in F _c ±3.7MHz	dB	-	0.6	1.0
Group Delay ripple in F _c ±3.7MHz	ns	-	110	160
Relative Attenuation:				
10 to 71	dB	40	43	
89 to 140	dB	40	44	
Substrate Material			YZ-LN	
Temperature Coefficient of Frequency	ppm/°C		-94	

C. OUTLINE DRAWING:



Pin configuration

#A RF Input or balanced input+

#B RF Input ground or balanced input-

#G RF Output or balanced output+

#H RF Output ground or balanced output-

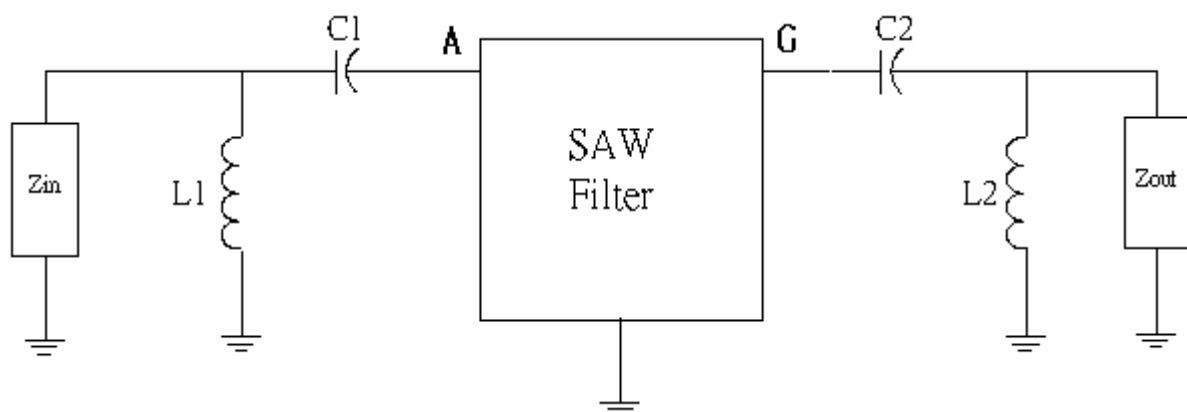
#C, D, E, F, J, K, M, N To be ground

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

△ : Product / Year Code

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

E. MEASUREMENT CIRCUIT:

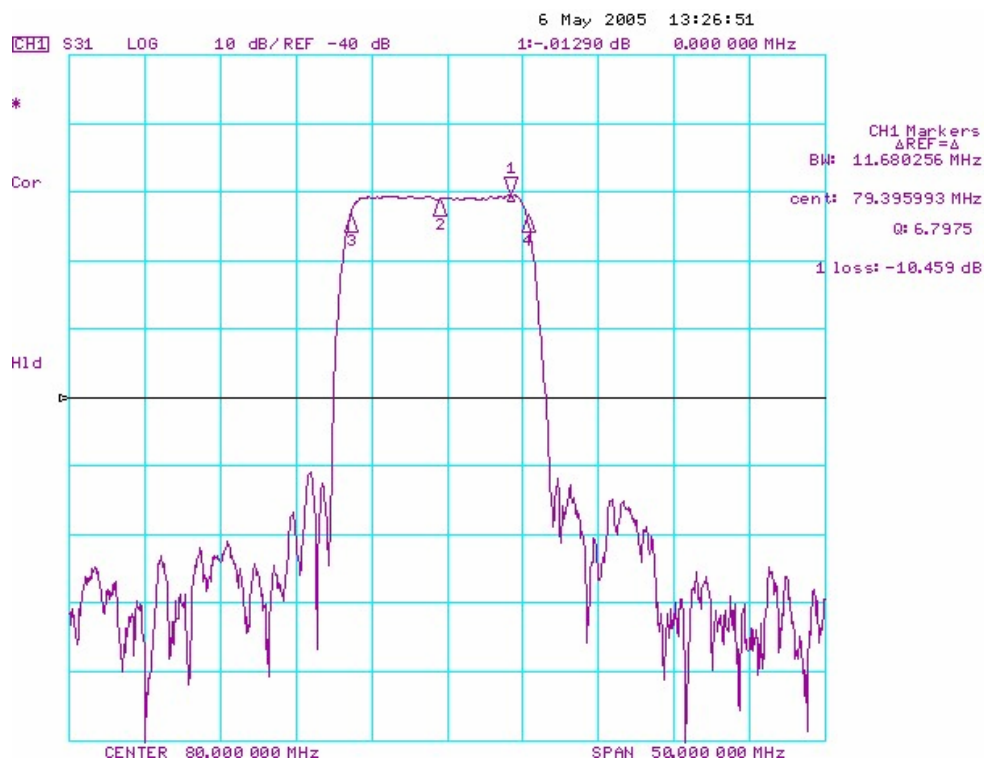


C1 = 68 PF L1 = 270 nH

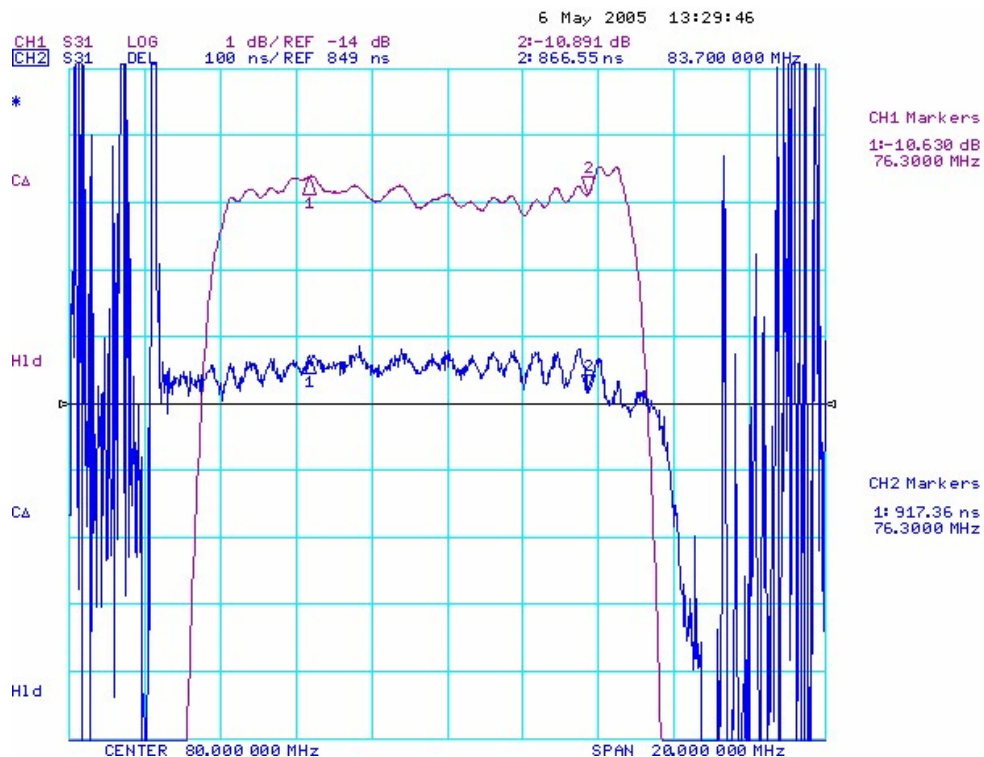
C2 = 72 PF L2 = 150 nH

D. FREQUENCY CHARACTERISTICS:

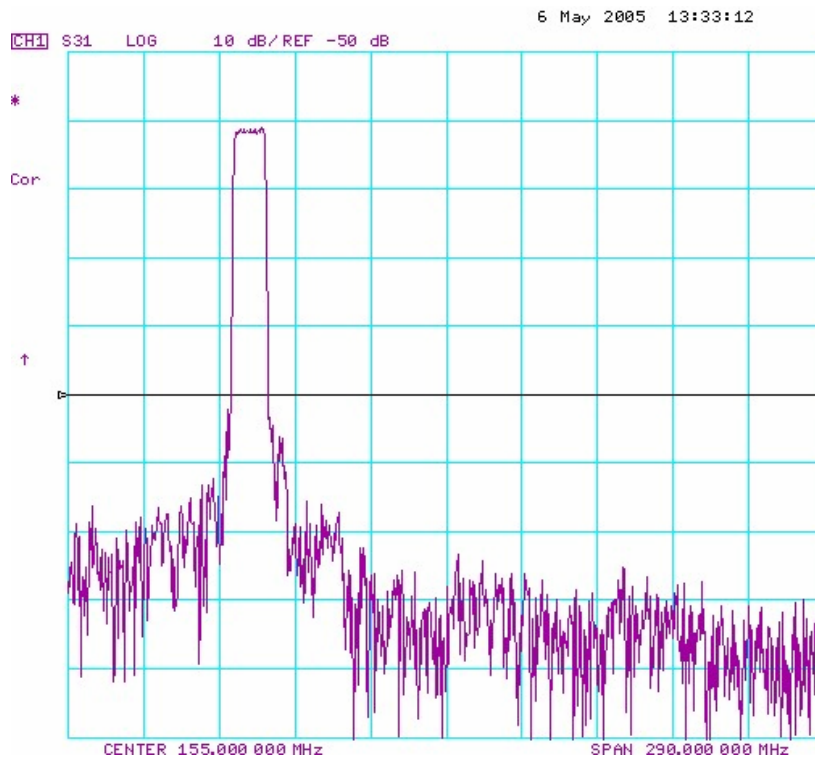
1. S21 Response:



2. Group delay:



3. Wideband Response:

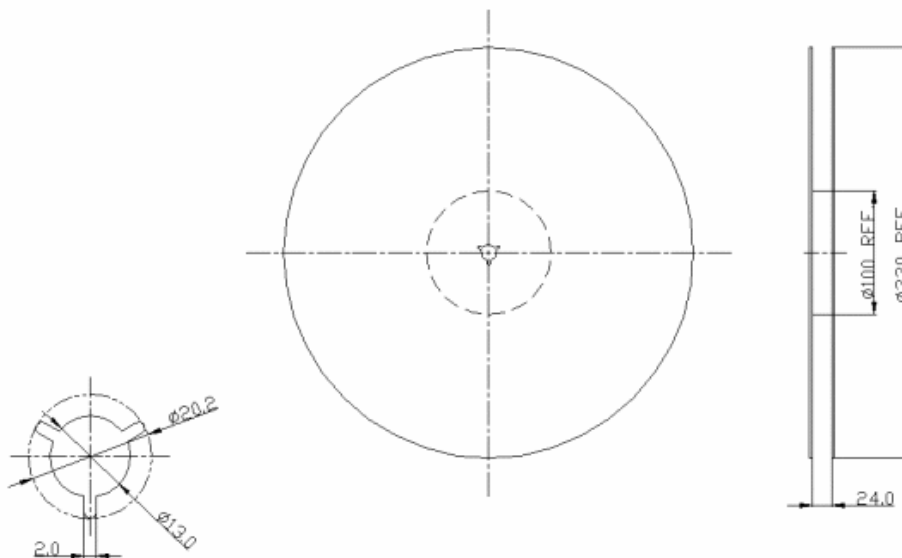


E.包裝：

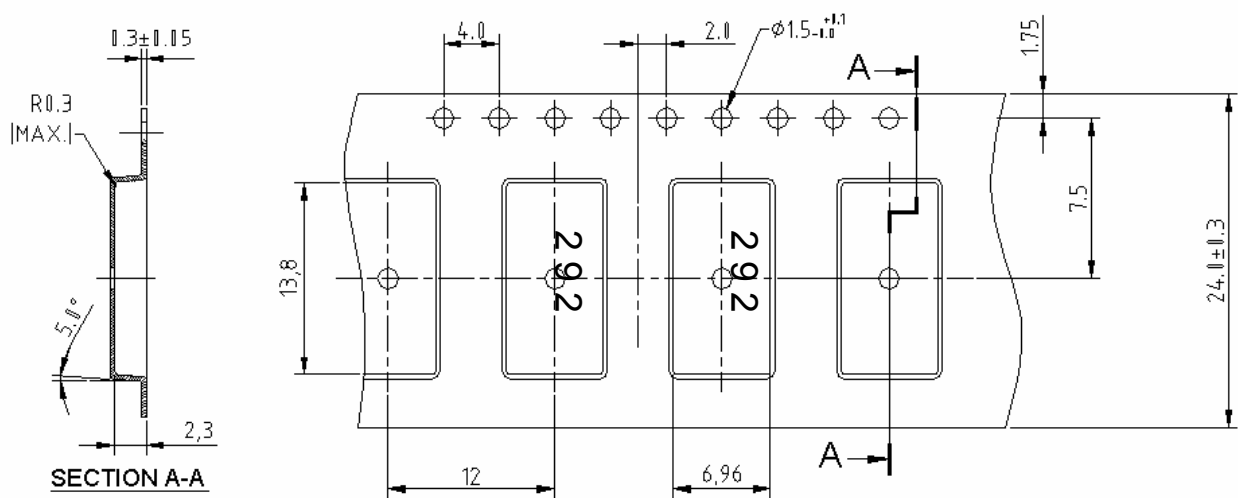
REEL DIMENSION

(Reel Count: 7"=300 typ.; 13"=1000 typ.)

24.0mm 帶寬



TAPE DIMENSION



F. Recommended Reflow Profile_:

