TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

Approval Sheet For Product Specification

Issued Date:

Product Name: 256MHz IF SAW Filter (BW=34MHz)

TST Parts No.: TB0758A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Andy Yu Andy Yu

Approval by: Francis Chen

Date: 2009/04/20

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SAW Filter 256MHz (SMD 5.0×7.0 mm)
Model No.: TB0758A Rev. No.:1.0

A. MAXIMUM RATING:

RoHS Compliant
Lead free
Lead-free soldering

1. Operating Temperature: -40 °C ~ +90 °C
2. Storage Temperature: -40 °C ~ +90 °C
3. Input power: 20dBm

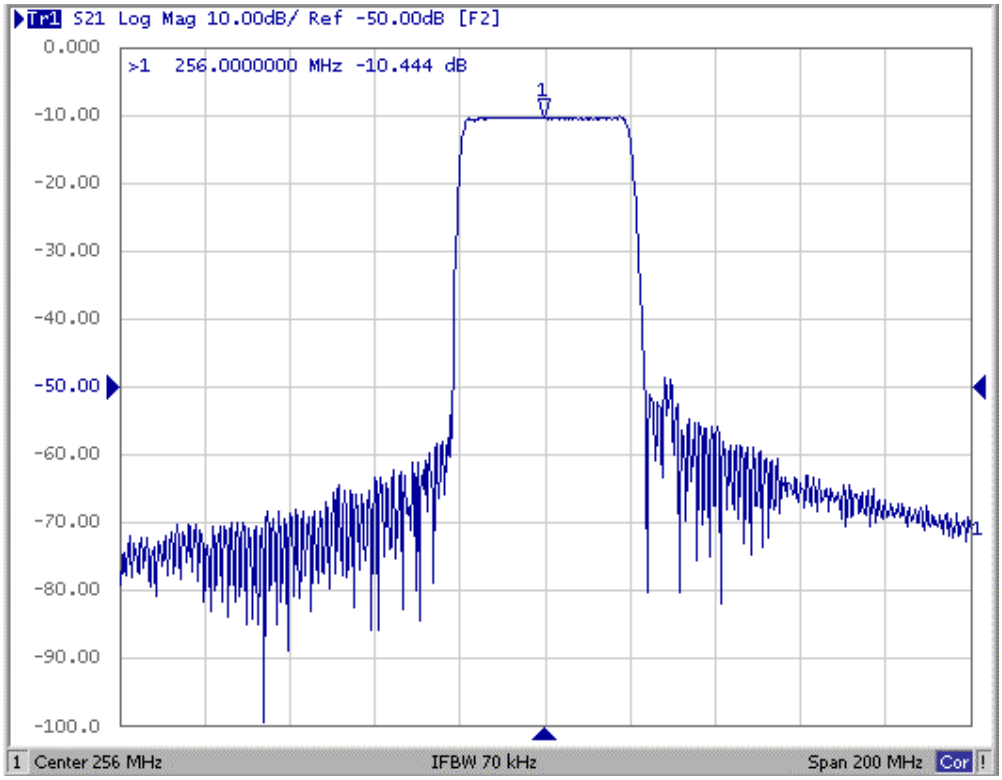
B. Characteristics :

Ambient Temperature: 25 °C

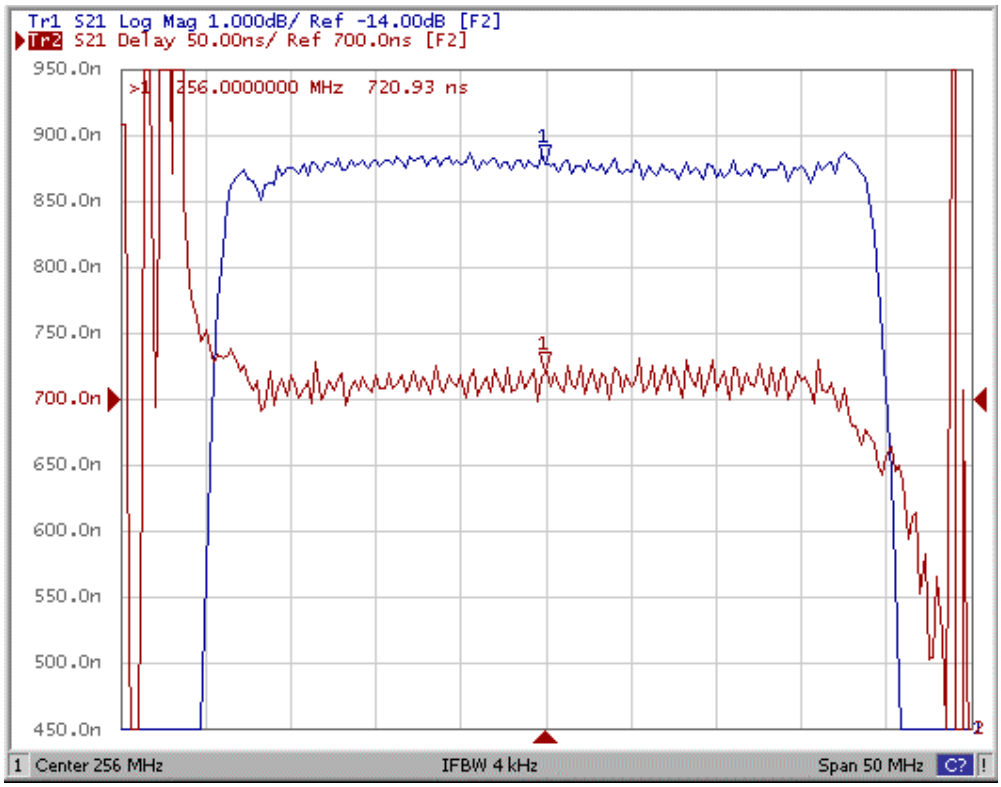
Characteristics		Value			Note
		Min.	Typ.	Max.	
Center frequency F_C	MHz	-	256	-	-
Minimum Insertion loss I.L.	dB	-	10.2	13.0	-
1dB BW	MHz	34	38	-	
40dB BW	MHz	-	45	50.0	
Attenuation (Reference to Minimum Insertion loss)					
225MHz	dB	40	51	-	-
290MHz	dB	40	47	-	-
Temp Coefficient	ppm/℃	-	-94	-	-
Matching: 1.The input of the filter will be matched to 50 ohm 2.The output of the filter will be matched to 50 ohm					

C. Frequency Characteristics :

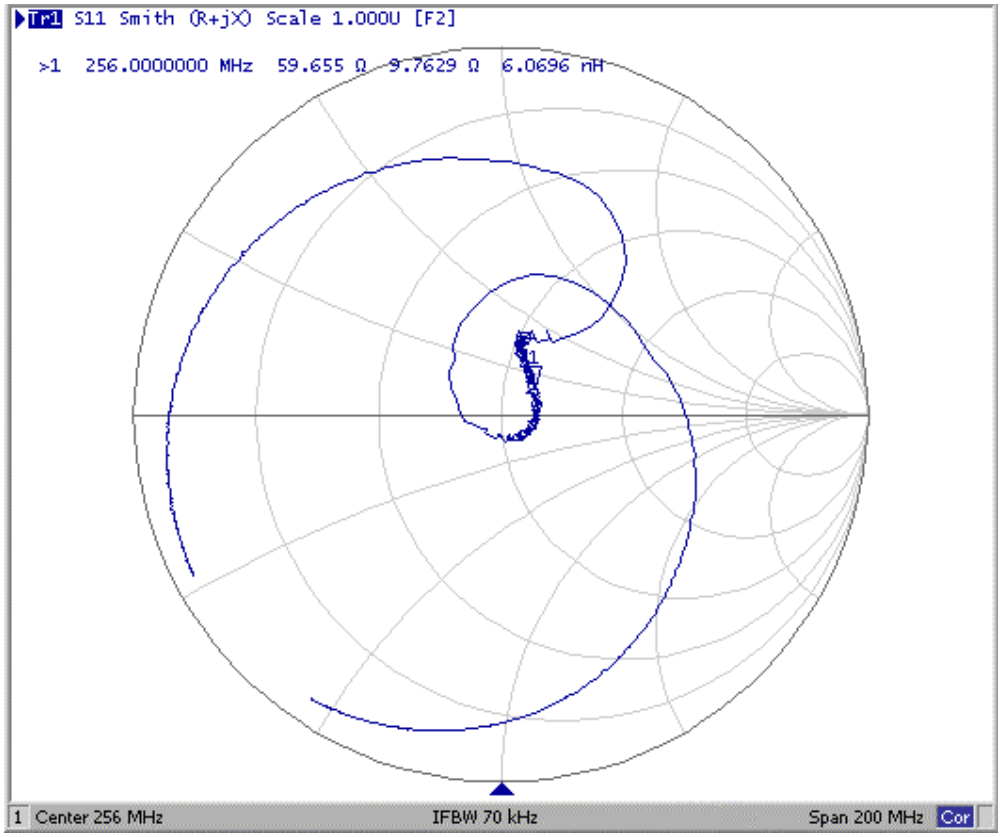
(1) wide band Response:(span 200MHz)



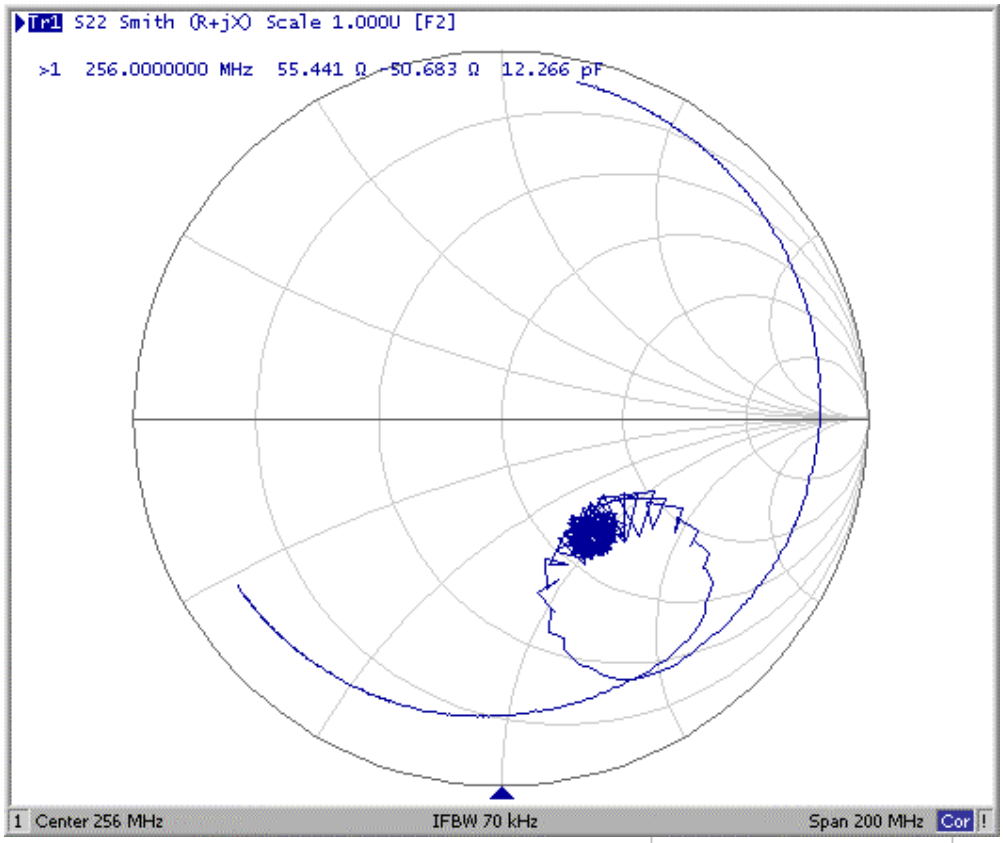
(2) Pass band Response and Group Delay Variation: (span 50MHz)



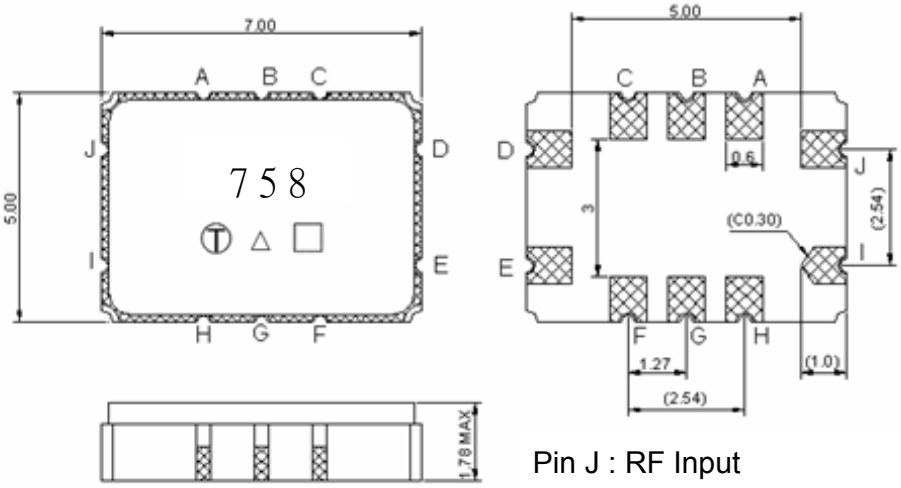
(3) S11 Smith-Chart: (span 200MHz)



(4) S22 Smith-Chart: (span 200MHz)



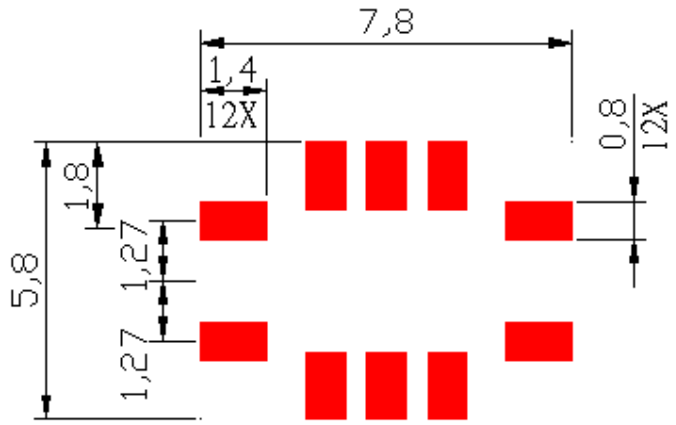
D. Outline Drawing:



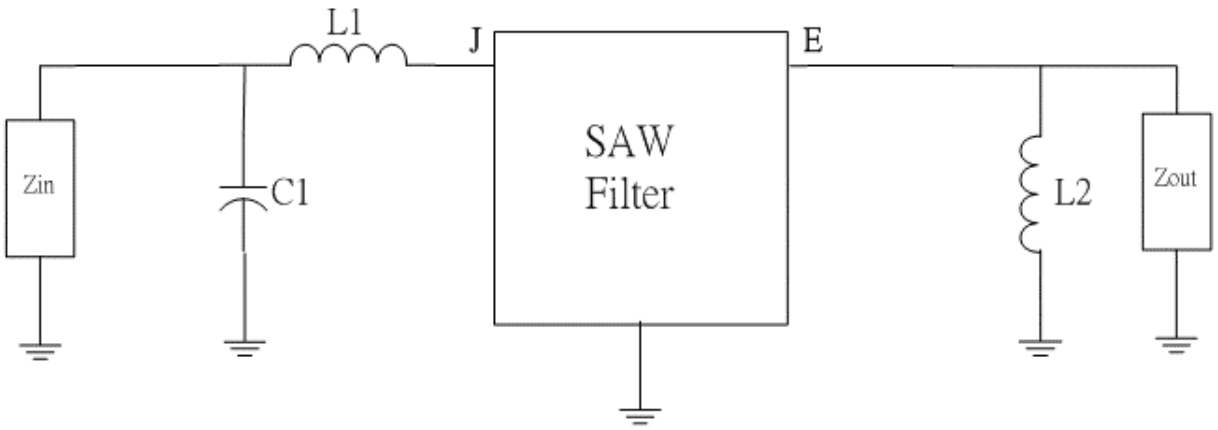
Pin J : RF Input
Pin E : RF Output
Pin H, G, F, D, C, B, A, I : Ground
Unit: mm
□ : Week Code (Follow the table from planner each year)
△ : Product / Year Code

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

E. PCB Footprint:



F. Matching Circuit:

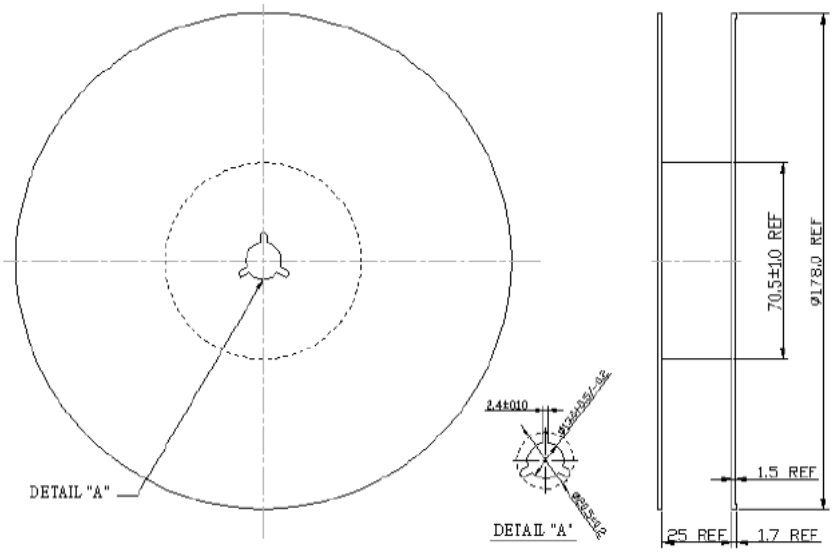


Zin= Zout=50 ohm

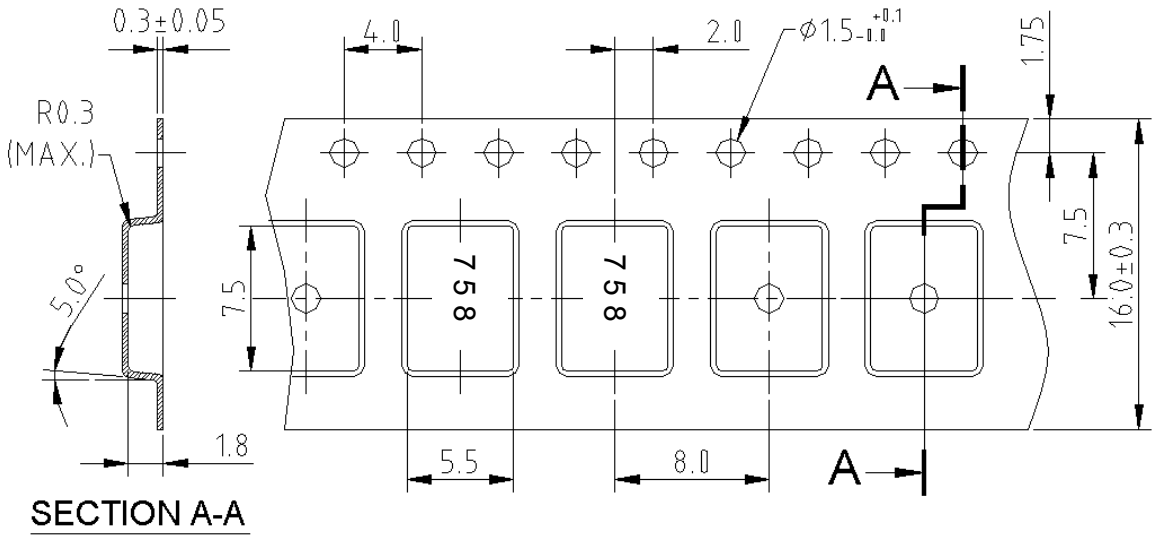
L1= 22nH, C1=26pF, L2=33nH

G. Packing:

(1). REEL DIMENSION:



(2). TYPE DIMENSION:



H. Recommended Reflow Profile: