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:288MHz IF SAW Filter (BW=5 MHz)

TST Parts No.: TB0587A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:Andy Yu

Approval by:Francis Chen

Date:02/01/2008

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IF SAW Filter 288MHz(BW=5MHz) SMD 5X5mm

MODEL NO.: TB0587A Rev. NO. 1

A. MAXIMUM RATING:

1.Input Power Level: 10 dBm

2.Operating Temperature: -40 °C ~ 85°C

3. Storage Temperature: -40 °C ~ +85 °C

RoHS Compliant
Lead free
Lead-free soldering

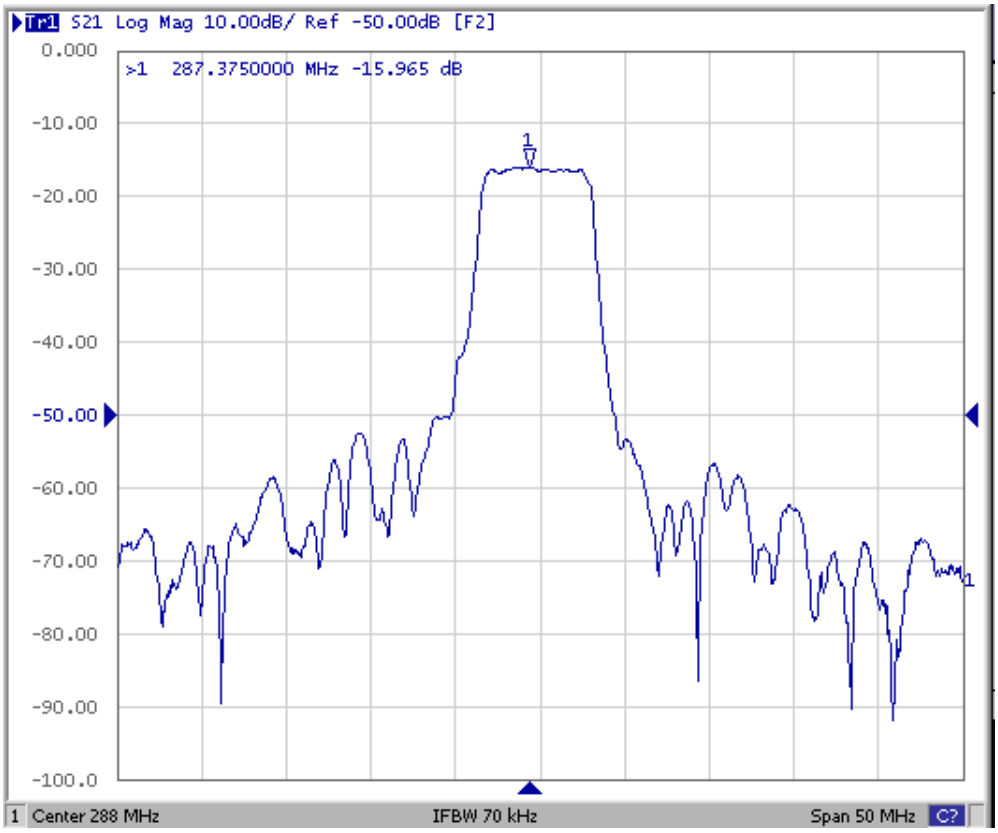
B. Characteristics :

Characteristics		Value			Wanted
		Min.	Typ.	Max.	
Center frequency F_C	MHz	-	288	-	-
Minimum Insertion loss I.L.	dB	-	15.8	17.0	-
1.5 dB Bandwidth	MHz	5.6	6.23	-	-
Amplitude Ripple (Fc+/-2.5MHz)	dB	-	0.8	1.2	-
Group-delay Ripple (Fc+/-2.8MHz)	nsec	-	140	200	-
Average-delay (Fc+/-2.8MHz)	usec		0.55		
Input Output Return Loss at Fc	dB	9	11		
Temp Coefficient	PPM/ oC2		0.032		
Attenuation (Reference level from Minimum insertion loss)					
(1) Fc +/-4.30MHz	dB	18	23	-	
(2) Fc +/-7.10MHz	dB	38	42	-	
(3) Fc +/-9.30MHz	dB	43	48	-	
(4) Fc +/-18.6MHz	dB	45	55	-	

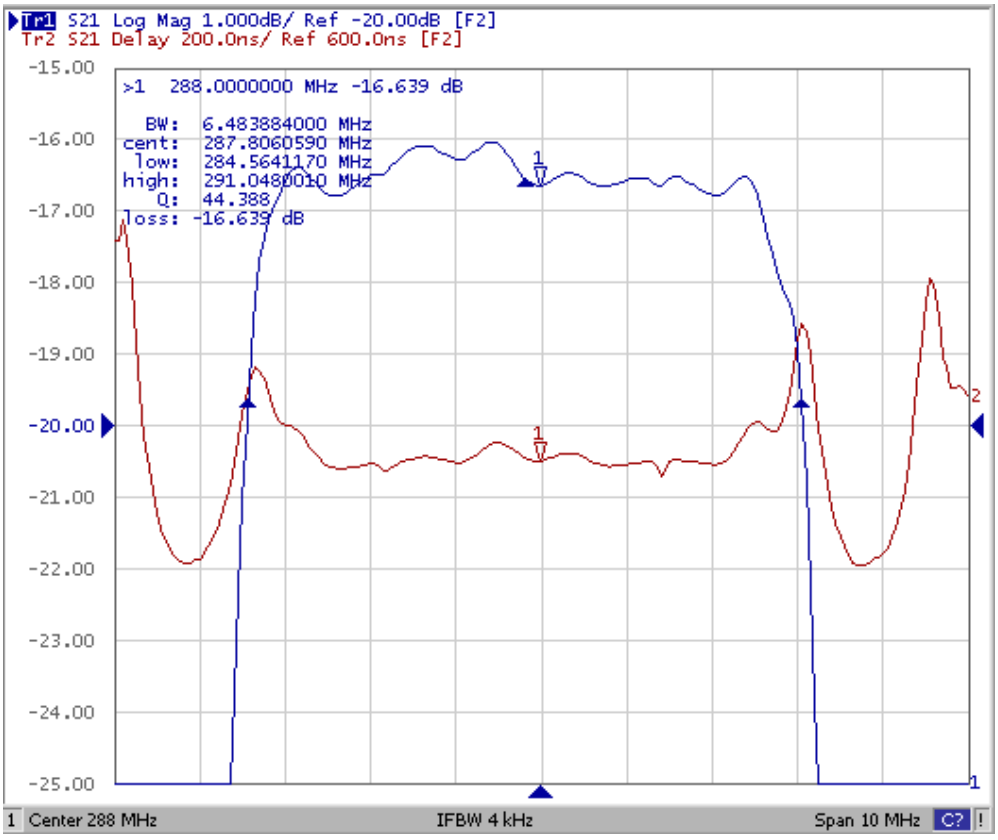
TST DCC
Release document

C. Frequency Characteristics :

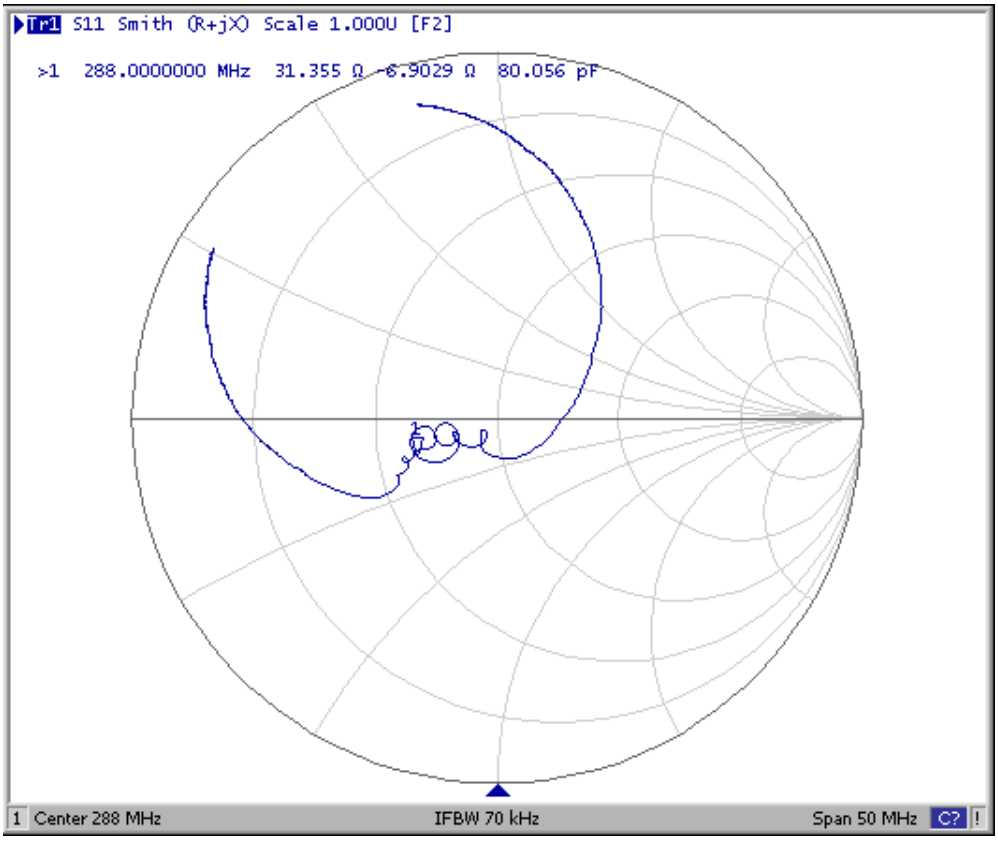
1. S21 Response:(span 50MHz)



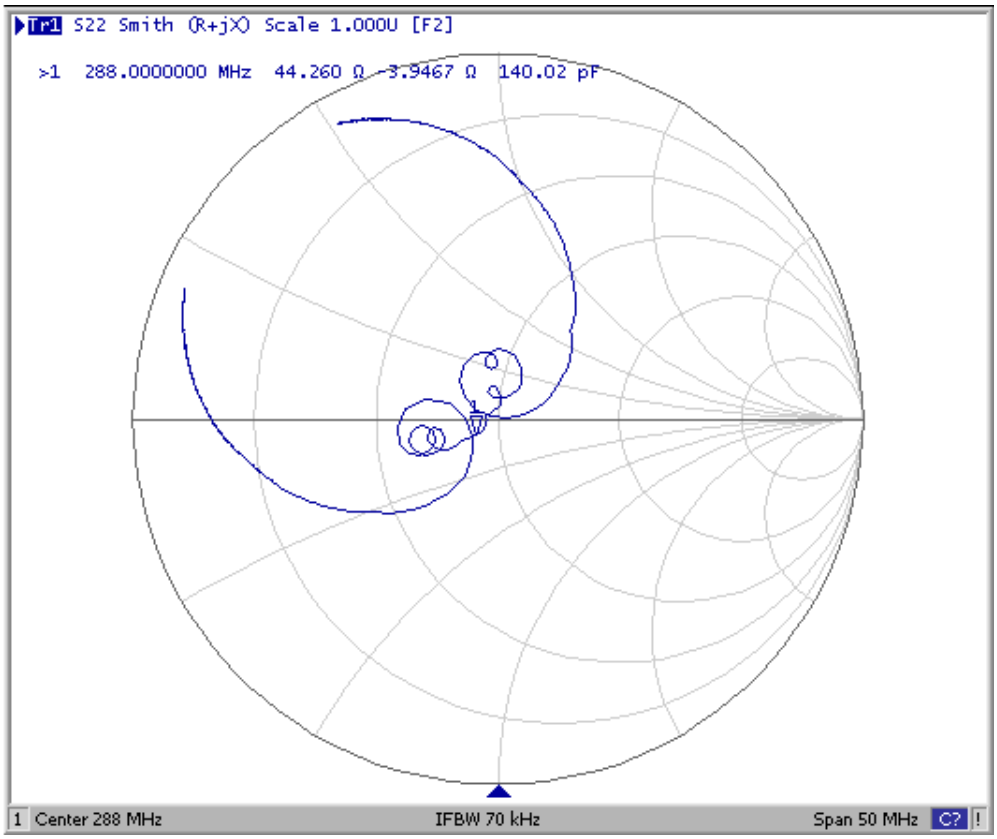
2. Passband Response: (span 10MHz)



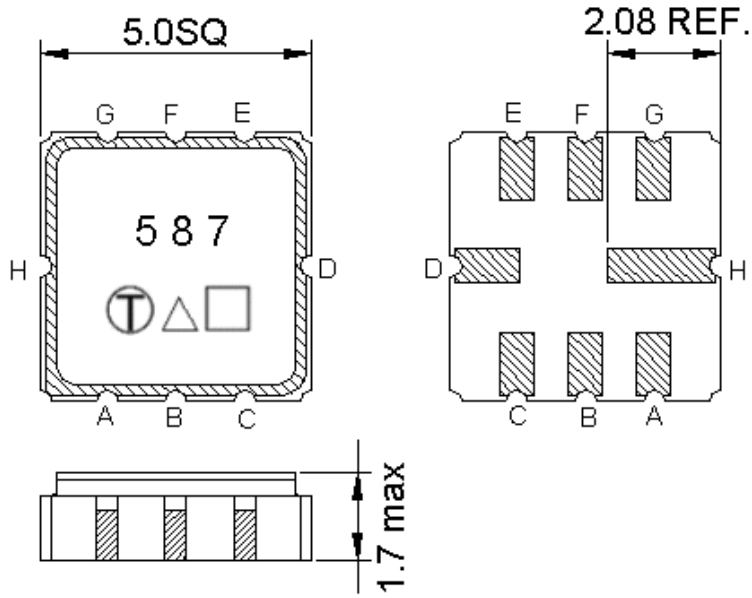
3. S11 Smith-Chart: (span 50MHz)



4. S22 Smith-Chart: (span 50MHz)



D. Outline Drawing:



Pin A: RF input

Pin E: RF output

Pin H,D: Case Ground

Pin B,C,G,F: Ground

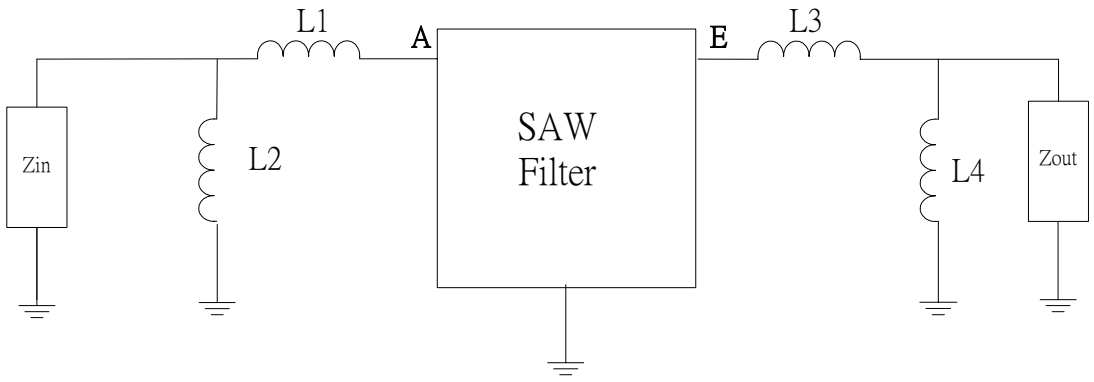
□ : Week Code (Follow the table from planner each year)

Unit : mm

△ : Product / Year Code

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

E. Matching Circuit:

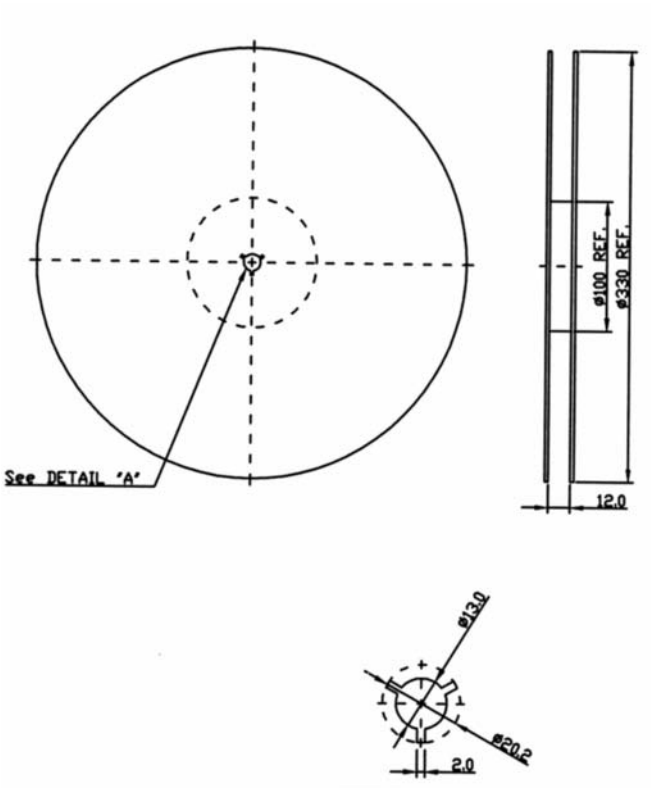


Zin and Zout are 50Ω

L1=47nH, L2=8.2nH, L3=45nH, L4=8.2nH

F.PACKING:

1.REEL DIMENSION



2.TAPE DIMENSION

