

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

Product Specifications Approval Sheet

Product Name: 288MHz IF SAW Filter (BW=10 MHz)

TST Parts No.: TB0588A

Customer Parts No.: _____

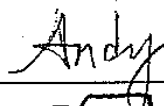
Customer signature required

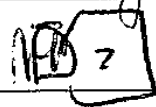
Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: Andy Yu 

Approval by: Francis Chen 

Date: 07/28/2010

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 288MHz(BW=10MHz) SMD 5X5mm

MODEL NO.: TB0588A

Rev. NO. 2

A. MAXIMUM RATING:

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

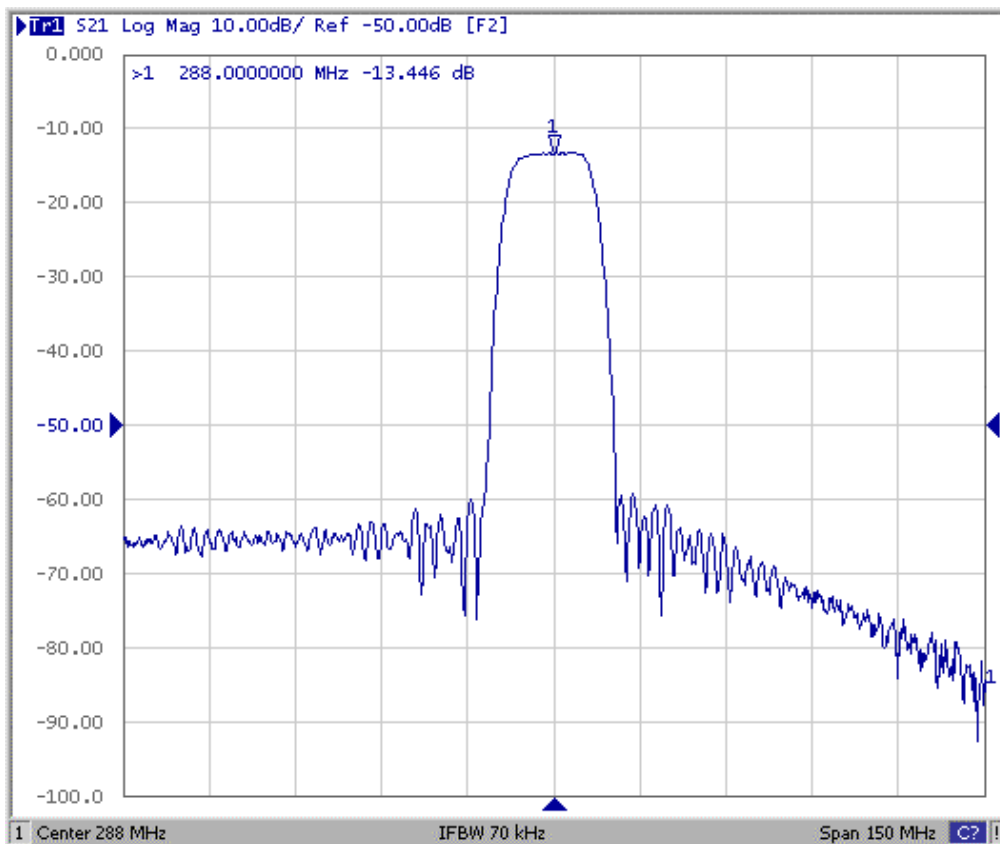
RoHS Compliant
Lead free
Lead-free soldering

B. Characteristics :

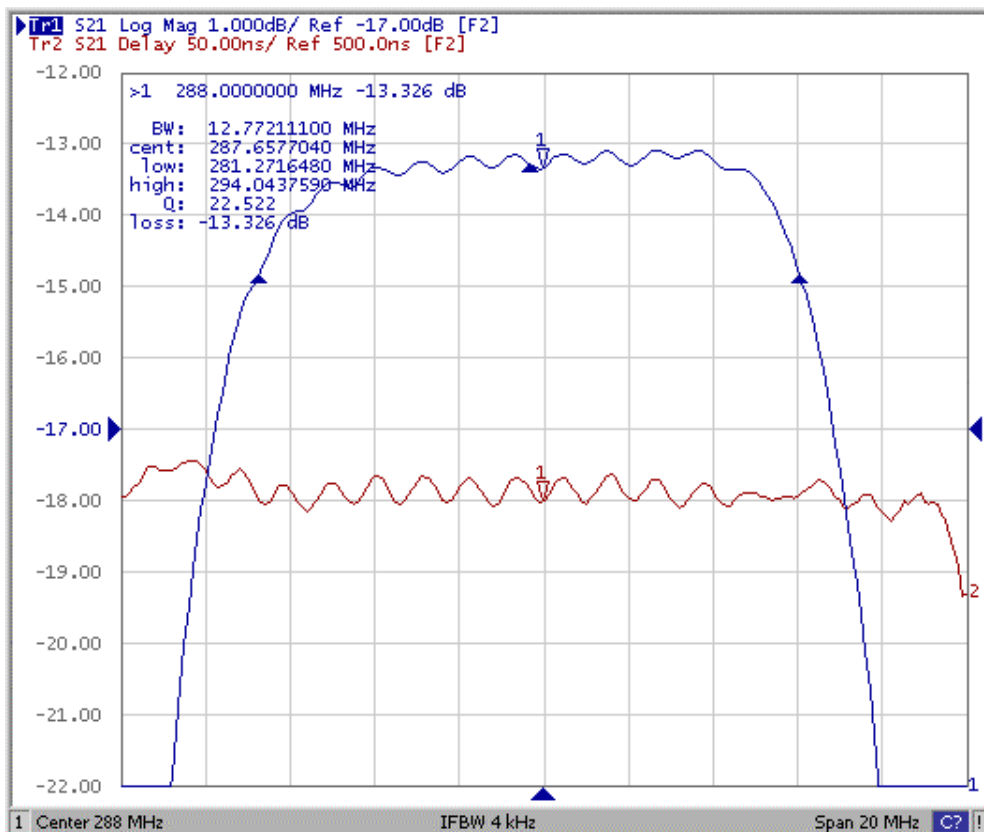
Characteristics	Value			note
	Min.	Typ.	Max.	
Center frequency F_c MHz	-	288	-	-
Minimum Insertion loss I.L. dB	-	13.2	15	-
1.5 dB Bandwidth MHz	11.1	12.8	-	-
Amplitude Ripple ($F_c \pm 5.0\text{MHz}$) dB	-	0.5	1.0	-
Group-delay Ripple ($F_c \pm 5.5\text{MHz}$) nsec	-	25	200	-
Average-delay ($F_c \pm 5.5\text{MHz}$) usec		0.45		
Input Output Return Loss at F_c dB		12		
Attenuation (Reference level from Minimum insertion loss)				
(1) $F_c \pm 8.60\text{MHz}$ dB	5	8	-	-
(2) $F_c \pm 14.3\text{MHz}$ dB	40	45	-	-
(2) $F_c \pm 18.6\text{MHz}$ dB	42	48	-	-
(2) $F_c \pm 37.1\text{MHz}$ dB	43	48	-	-

C. Frequency Characteristics :

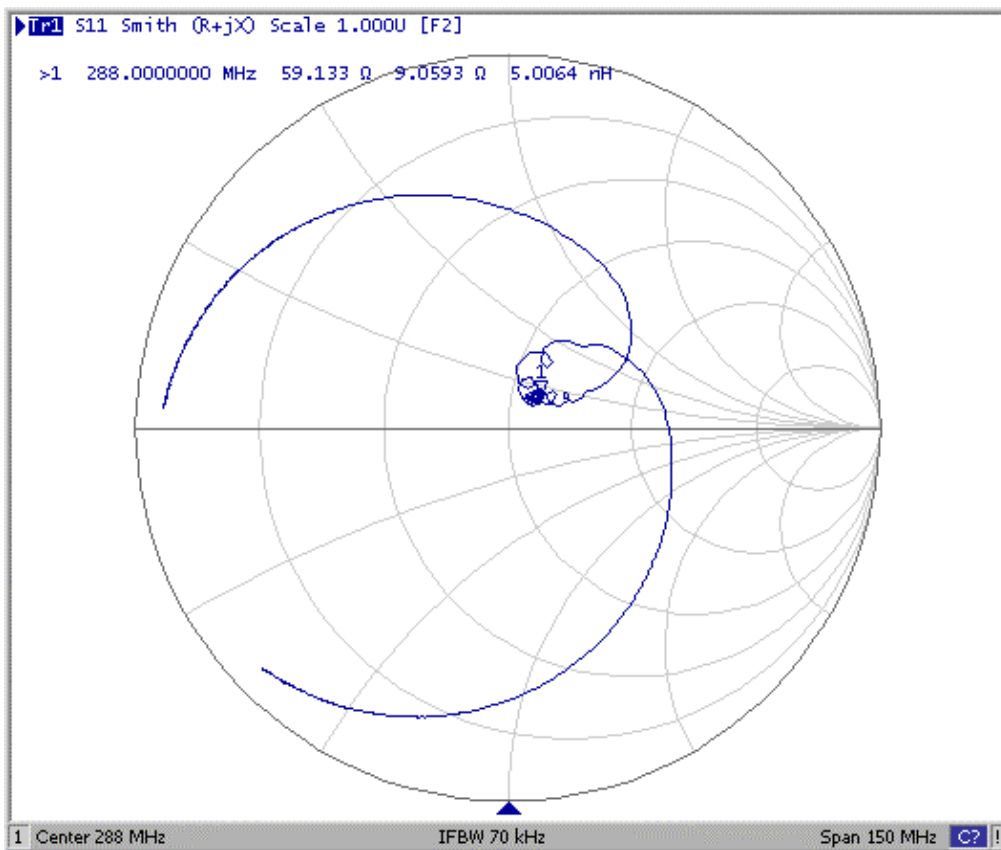
1. S21 Response:(span 150MHz)



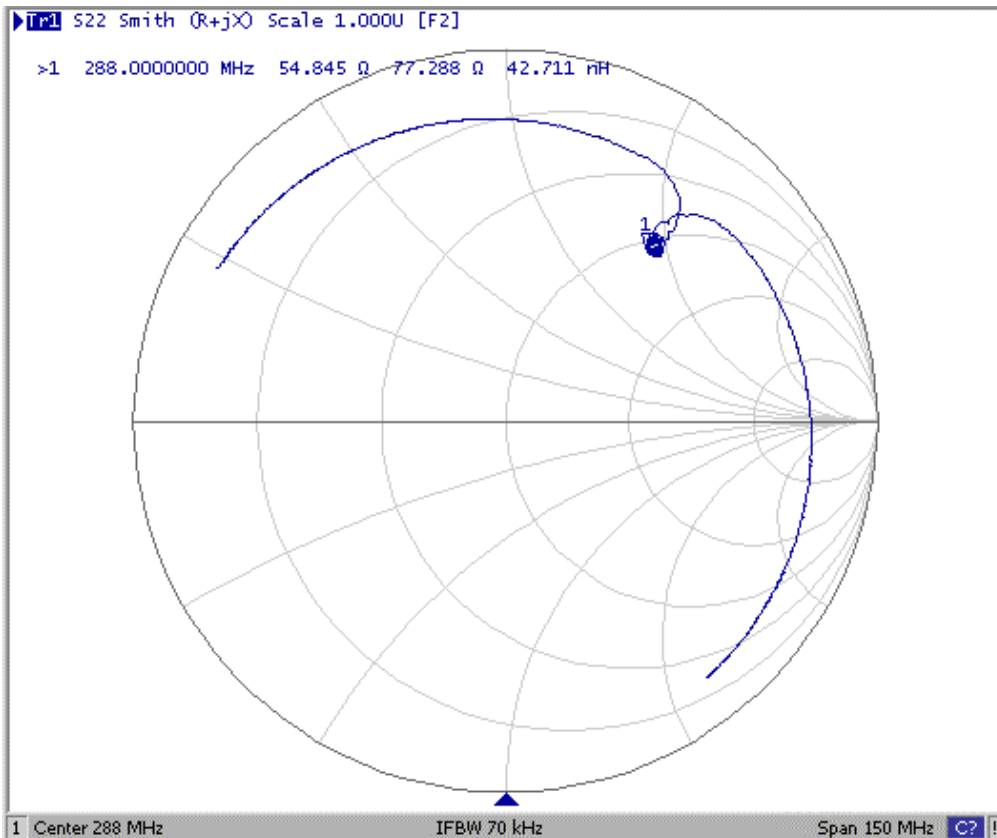
2. Passband Response: (span 20MHz)



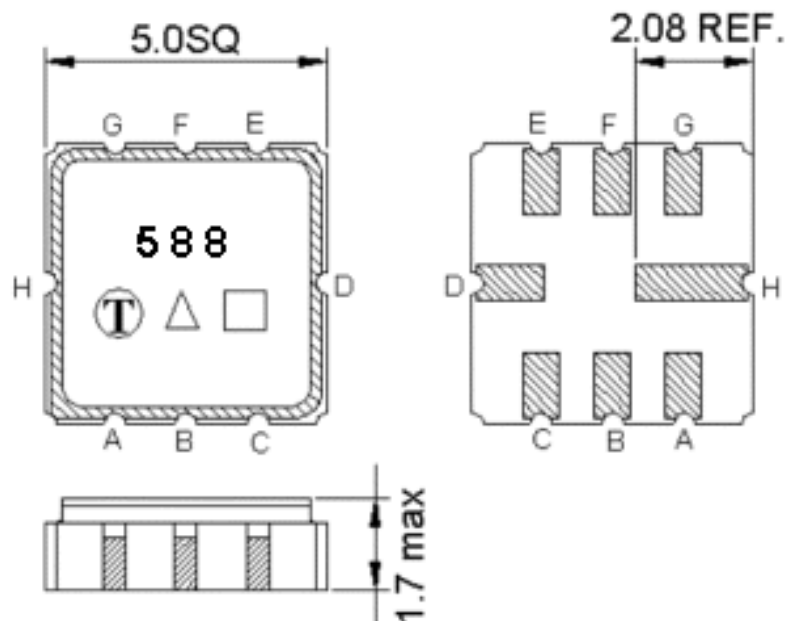
3. S11 Smith-Chart: (span 150MHz)



4. S22 Smith-Chart: (span 150MHz)



D. Outline Drawing:



Pin A: RF input

Pin E: RF output

Pin H,D: Case Ground

Pin B,C,G,F: Ground

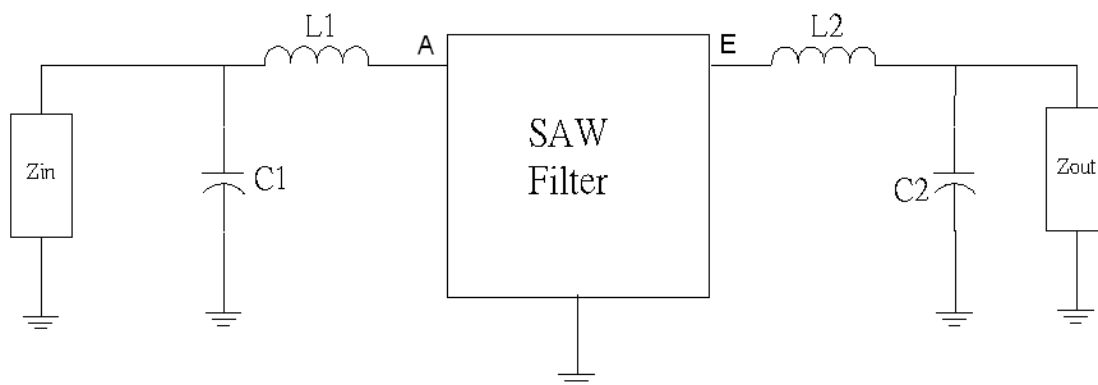
□ : Week Code (Follow the table from planner each year)

Unit : mm

△ : Product / Year Code

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

E. Matching Circuit:

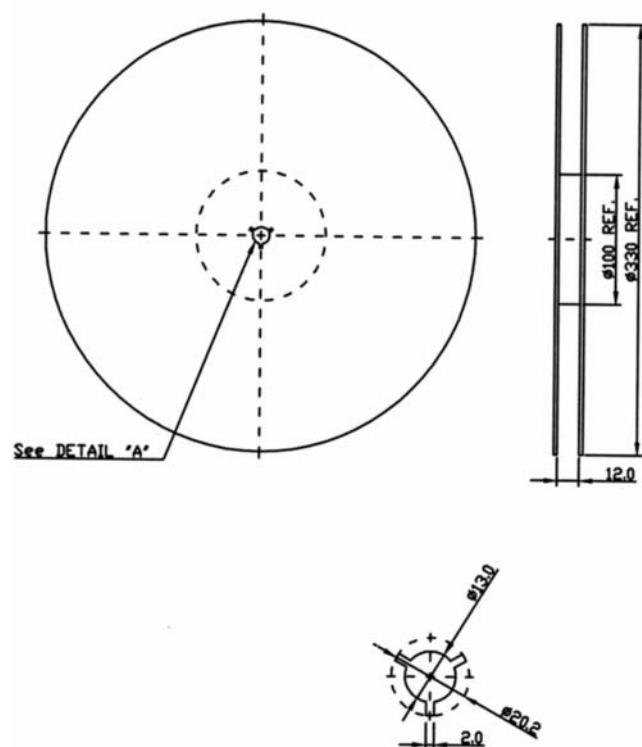


Z_{in} and Z_{out} are 50Ω

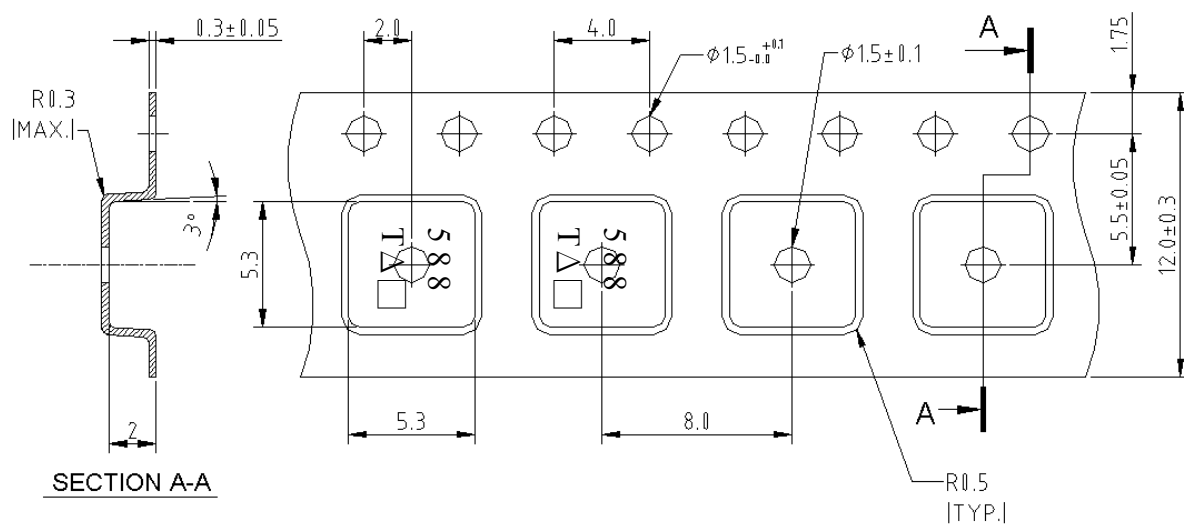
L1=15nH, C1=24pF, L2=22nH, C2=10pF

F.PACKING:

1.REEL DIMENSION



2.TAPE DIMENSION



Direction of feed

G. Recommended Reflow Profile:

