



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Product Specifications Approval Sheet

Product Name: 288MHz IF SAW Filter (BW=20 MHz) SMD 5.0×5.0mm

TST Parts No.: TB0896A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Andy Yu *Andy*

Approval by: _____ Francis Chen *NEB 2*

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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TST DCC
Release document

FR-71S03-02



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IF SAW Filter 288MHz(BW=20MHz) SMD 5X5mm

MODEL NO.: TB0896A

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

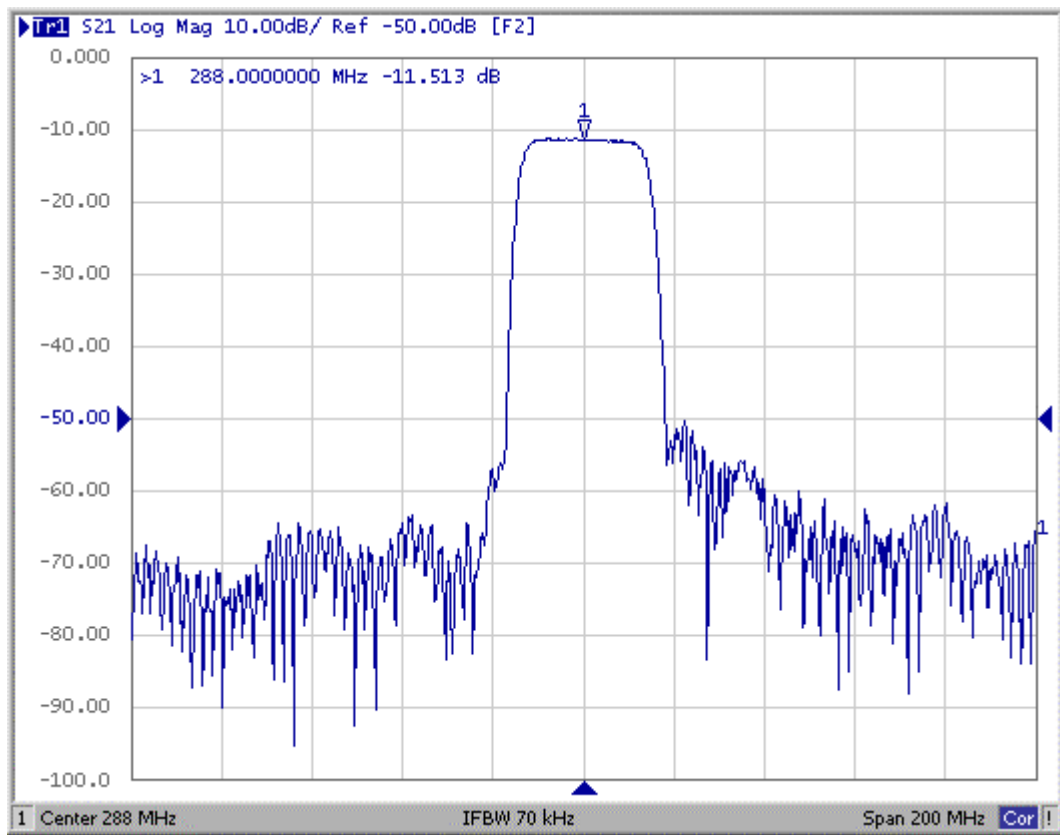
RoHS Compliant
Lead free
Lead-free soldering

B. Characteristics :

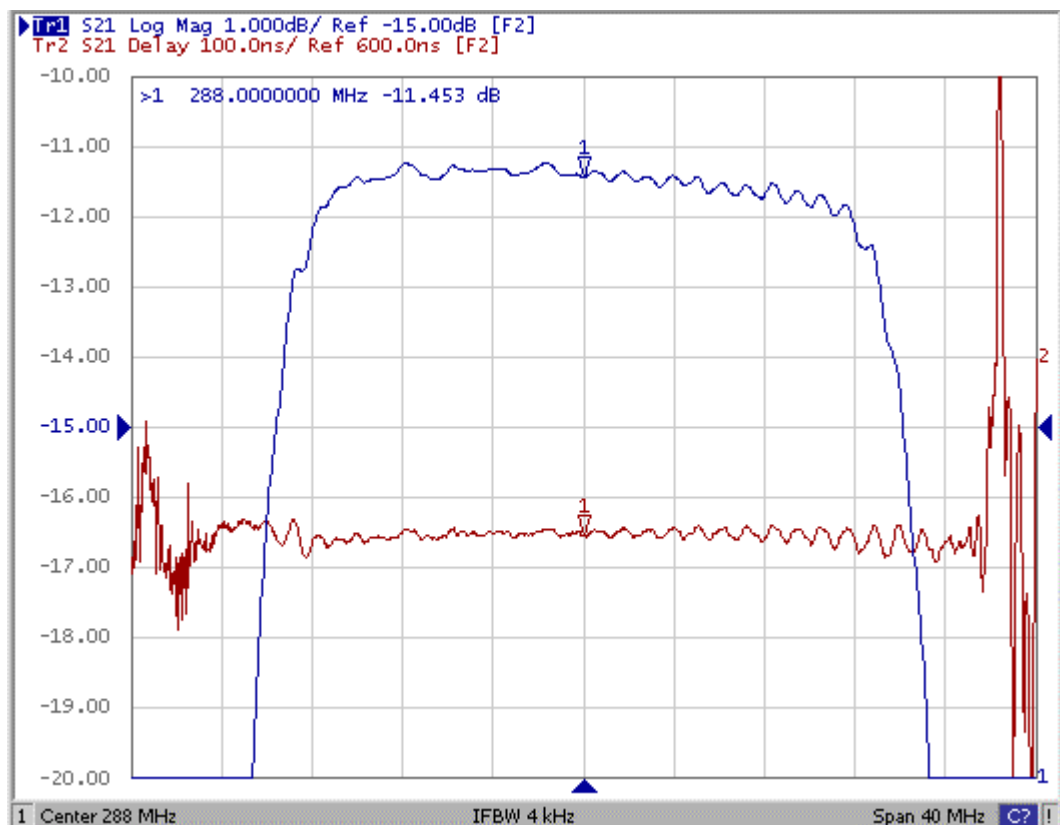
Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency F_c MHz	-	288	-	-
Minimum Insertion loss I.L. dB	-	12.5	15	-
1.5 dB Bandwidth MHz	22.3	25.6	-	-
Amplitude Ripple ($F_c \pm 11.1\text{MHz}$) dB	-	0.6	1.0	-
Group-delay Ripple ($F_c \pm 11.1\text{MHz}$) nsec	-	45	200	-
Average-delay ($F_c \pm 11.1\text{MHz}$) usec		0.45		
Attenuation (Reference level from Minimum insertion loss)				
(1) $F_c \pm 17.1\text{MHz}$ dB	18	23	-	-
(2) $F_c \pm 28.6\text{MHz}$ dB	42	50	-	-
(2) $F_c \pm 37.1\text{MHz}$ dB	45	52	-	-
(2) $F_c \pm 74.3\text{MHz}$ dB	47	55	-	-

C. Frequency Characteristics :

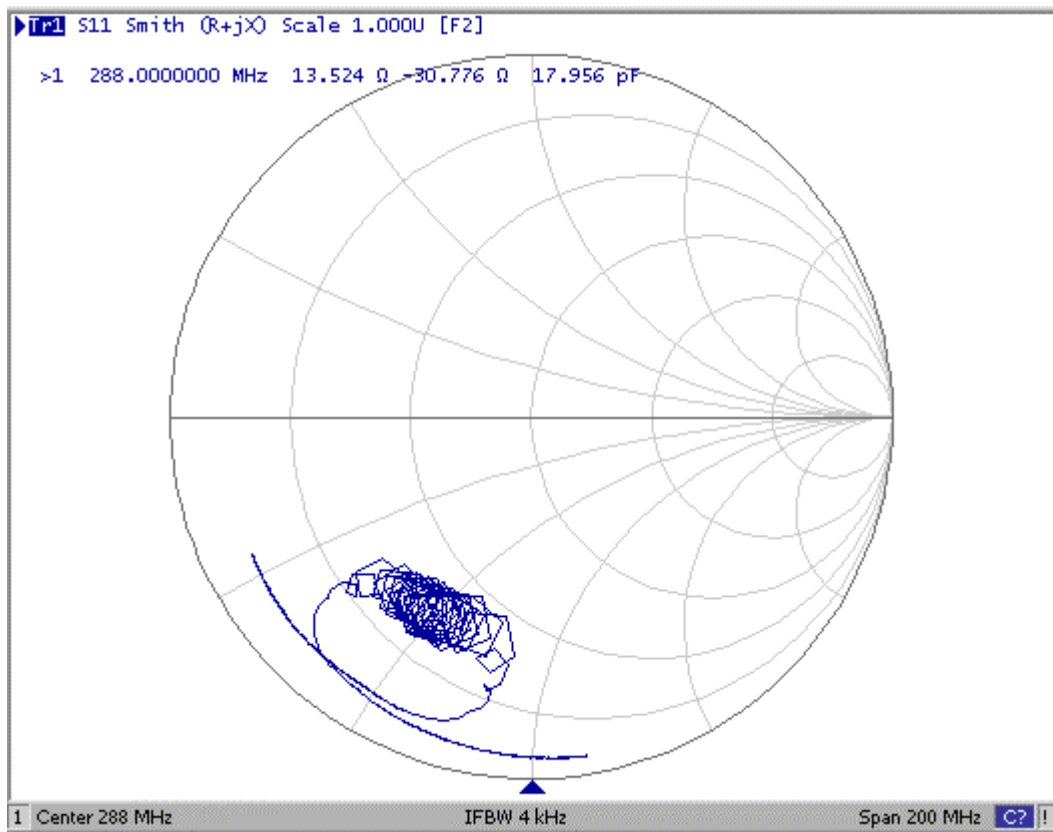
1. S21 Response:(span 200MHz)



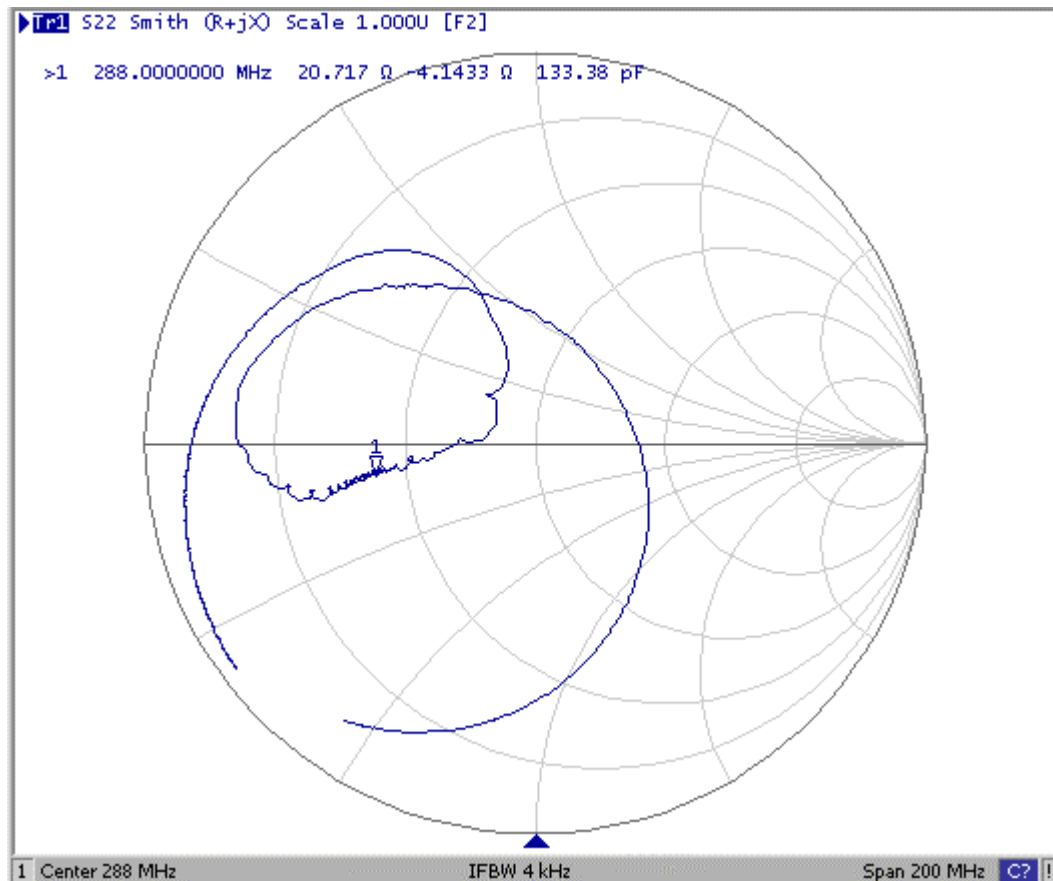
2. Passband Response: (span 30MHz)



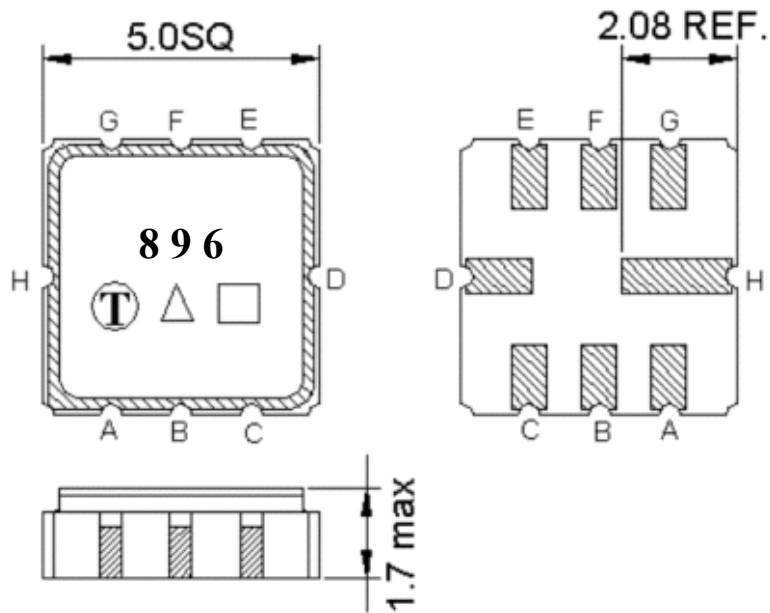
3. S11 Smith-Chart: (span 200MHz)



4. S11 Smith-Chart: (span 200MHz)



D. Outline Drawing:



Pin C: RF input

Pin G: RF output

Pin H,D: Case Ground

Pin A, B, E, F: Ground

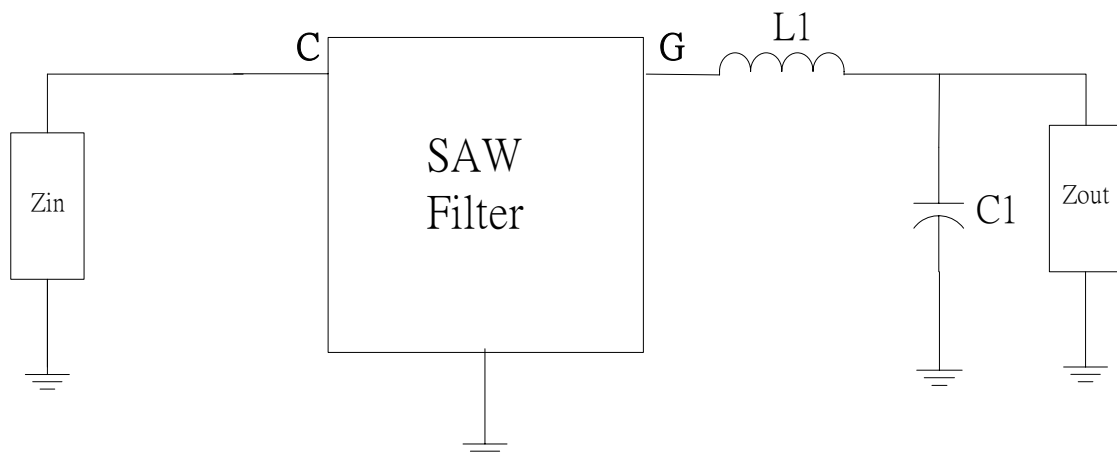
□ : Week Code (Follow the table from planner each year)

Unit : mm

△ : Product / Year Code

Year	2013 2009	2014 2010	2015 2011	2016 2012
Product Code	B	b	<u>B</u>	<u>b</u>

E. Matching Circuit:

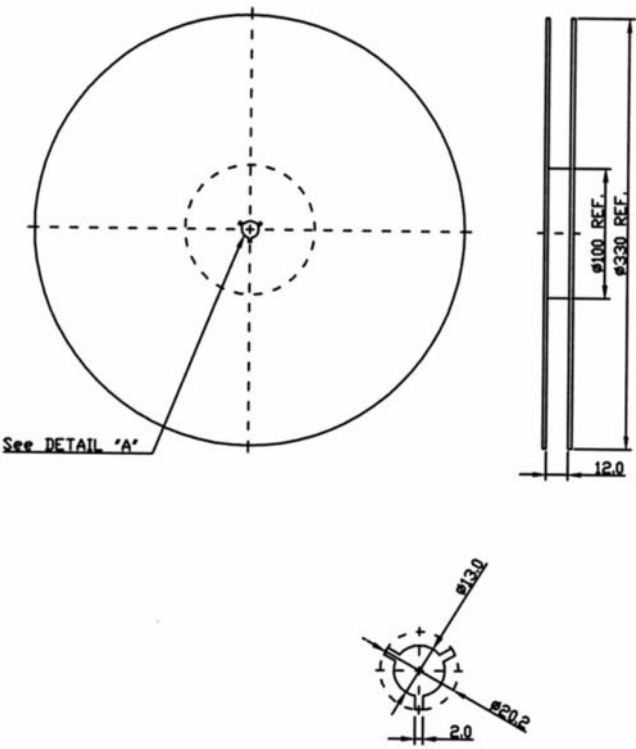


Z_{in} and Z_{out} are 50Ω

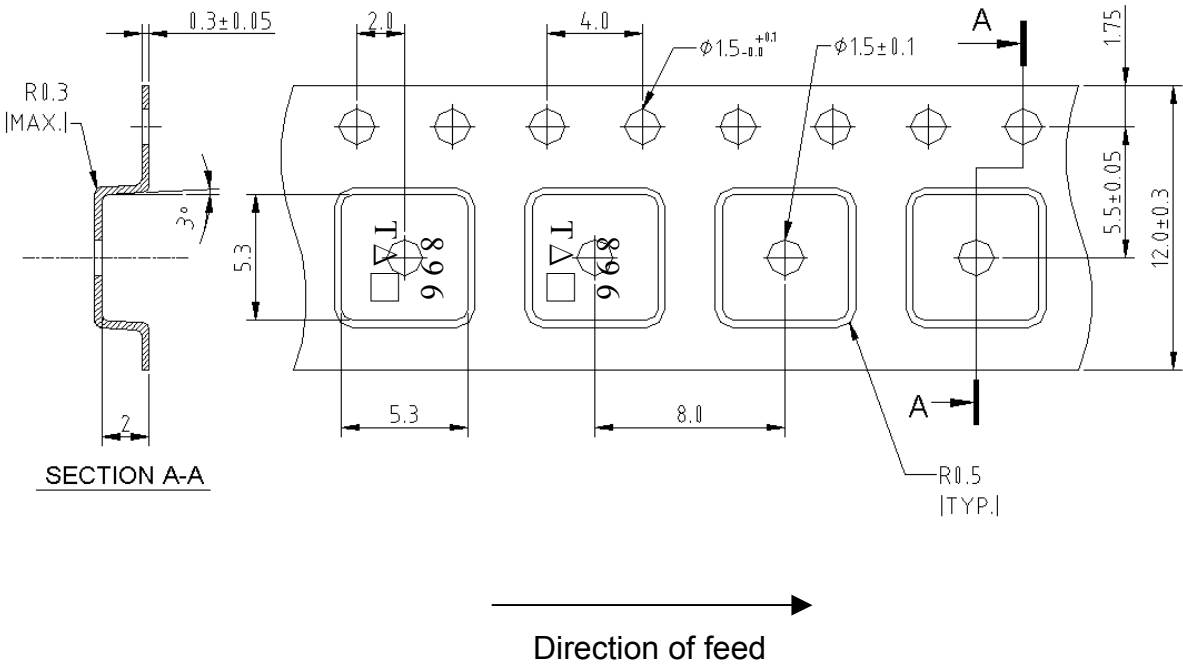
$L1=27\text{nH}$, $C1=18\text{pF}$

F.PACKING:

1.REEL DIMENSION



2.TAPE DIMENSION



F. Recommended Reflow Profile:

