



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet for Product Specification

Issued Date:

Product Name: 288MHz IF SAW Filter (BW=20 MHz)

TST Parts No.: TB0589A

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=20MHz) SMD 5X5mm

MODEL NO.: TB0589A

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

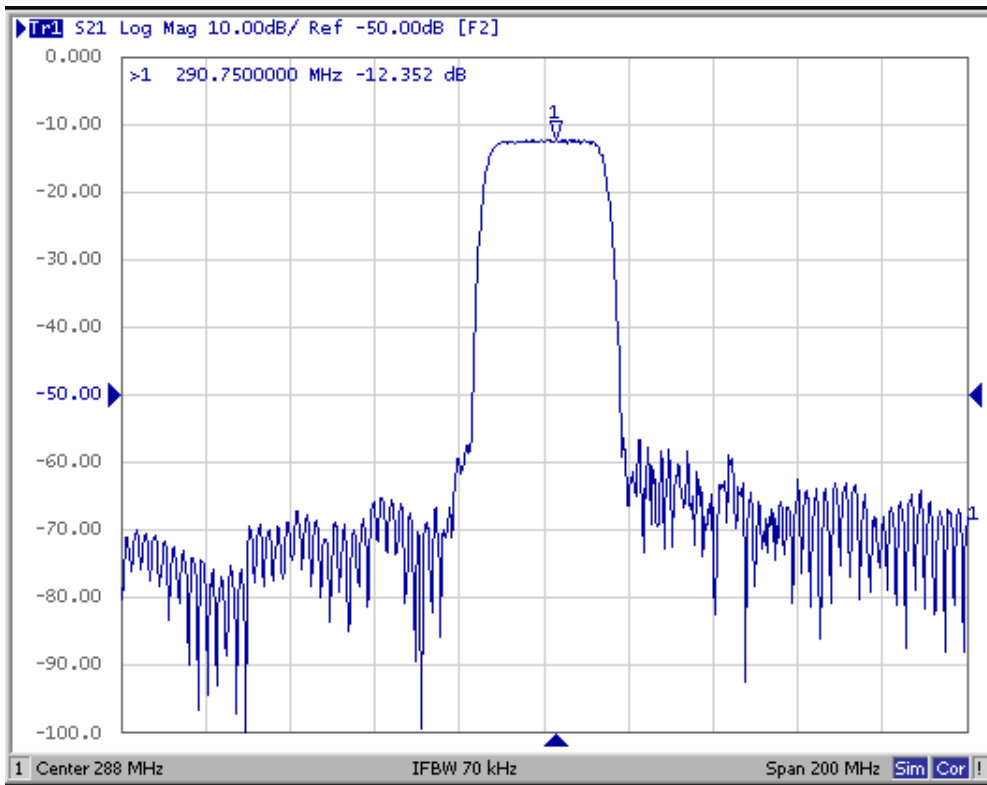
RoHS Compliant
Lead free
Lead-free soldering

B. Characteristics :

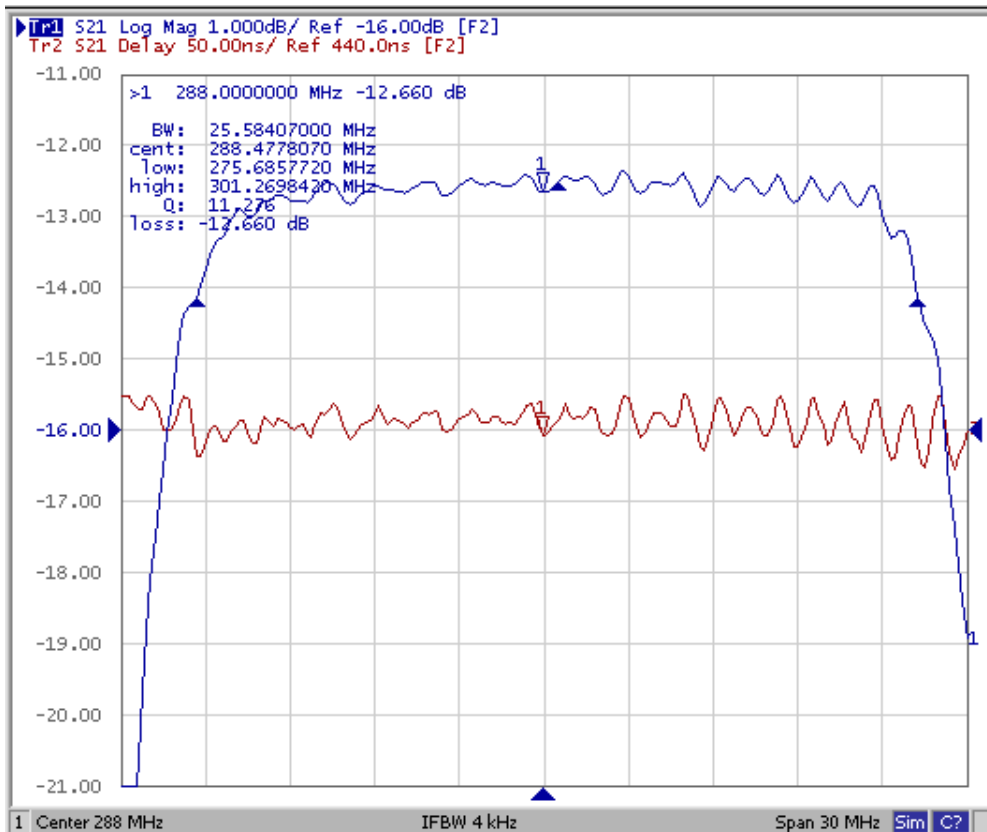
Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency F_c MHz	-	288	-	-
Minimum Insertion loss I.L. dB	-	12.5	15	-
1.5 dB Bandwidth MHz	22.3	25.6	-	-
Amplitude Ripple ($F_c \pm 11.1$ MHz) dB	-	0.6	1.0	-
Group-delay Ripple ($F_c \pm 11.1$ MHz) nsec	-	45	200	-
Average-delay ($F_c \pm 11.1$ MHz)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

C. Frequency Characteristics :

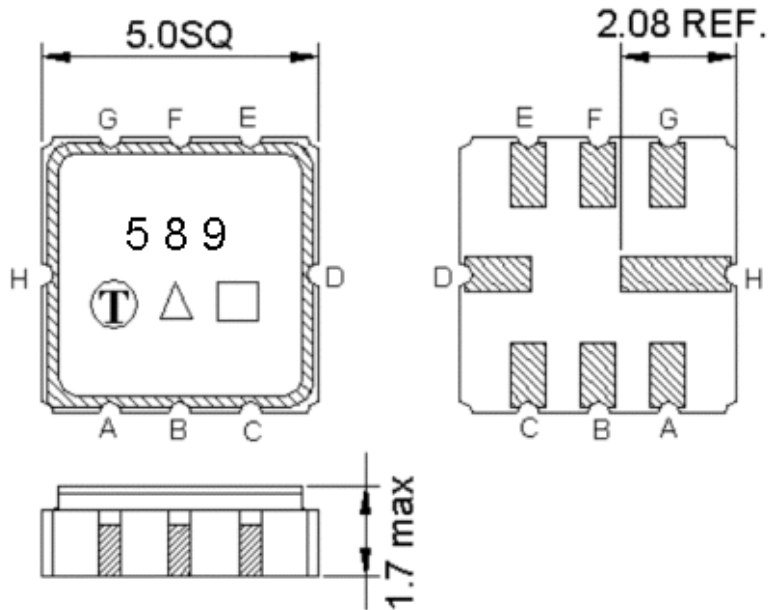
1. S21 Response:(span 200MHz)



2. Passband Response: (span 30MHz)



D. Outline Drawing:



Pin C: RF input

Pin G: RF output

Pin H,D: Case Ground

Pin A, B, E, F: Ground

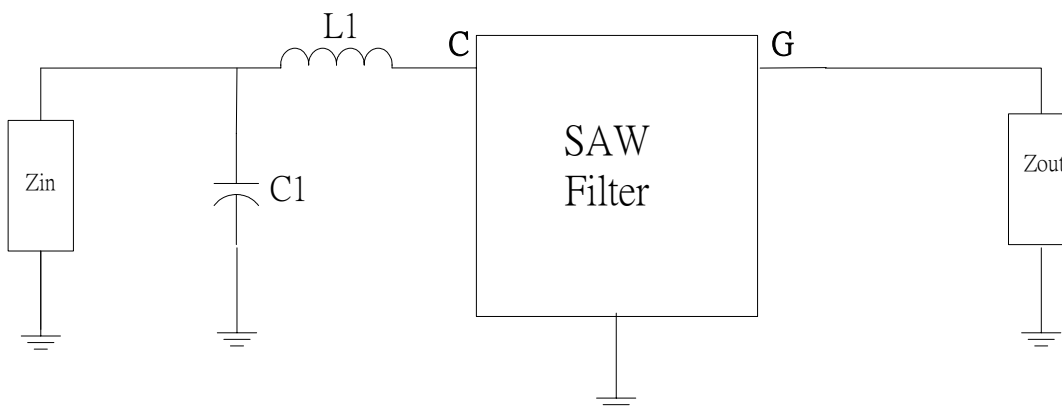
□ : Week Code (Follow the table from planner each year)

Unit : mm

△ : Product / Year Code

Year	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

$L1=27nH$, $C1=18pF$

