



TAI-SAW TECHNOLOGY CO., LTD.

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Product Specifications Approval Sheet

Issued Date:


Product Name: SAW IF Filter 1025 MHz

TST Parts No.: TB0748A (package 3.8mm x 3.8 mm)

Customer Parts No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Kazuma Lee 

Approval by: _____ Francis Chen 

Date: _____ 03 / 30 / 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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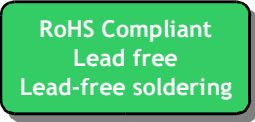
SAW Filter 1025MHz 150MHz BW (SMD 3.8x3.8 mm)

MODEL NO.: TB0748A

REV. NO.1

A. MAXIMUM RATING:

- 1.Storage Temperature: -40°C to 85°C
- 2.Operating Temperature: -40°C to 85°C
- 3.Maximum Input Power : 10dBm
- 4.Maximum DC Voltage : 10V



B. Characteristics :

Item	Unit	Min.	Type.	Max.
Center frequency, Fc	MHz	-	1025	-
Insertion Loss, IL	dB	-	14.1	17.0
1dB Bandwidth	MHz	-	150	-
Rejection				
1 ~ 800 MHz	dB	40	50	-
1225 ~ 2000MHz	dB	22	28	-
Fc-85MHz	dB	-	18	-
Fc+85MHz	dB	-	12	-
Passband Ripple Fo +/- 60MHz	dB	-	0.9	1.5
Group delay ripple Fo +/- 60MHz	nsec	-	9	-
Temperature Coefficient	ppm/°C	-	-96	-
Source Impedance	Ohm	-	50	-
Load Impedance	Ohm	-	50	-

C. Frequency Characteristics :

(1) Wide band Response:(span 600MHz)

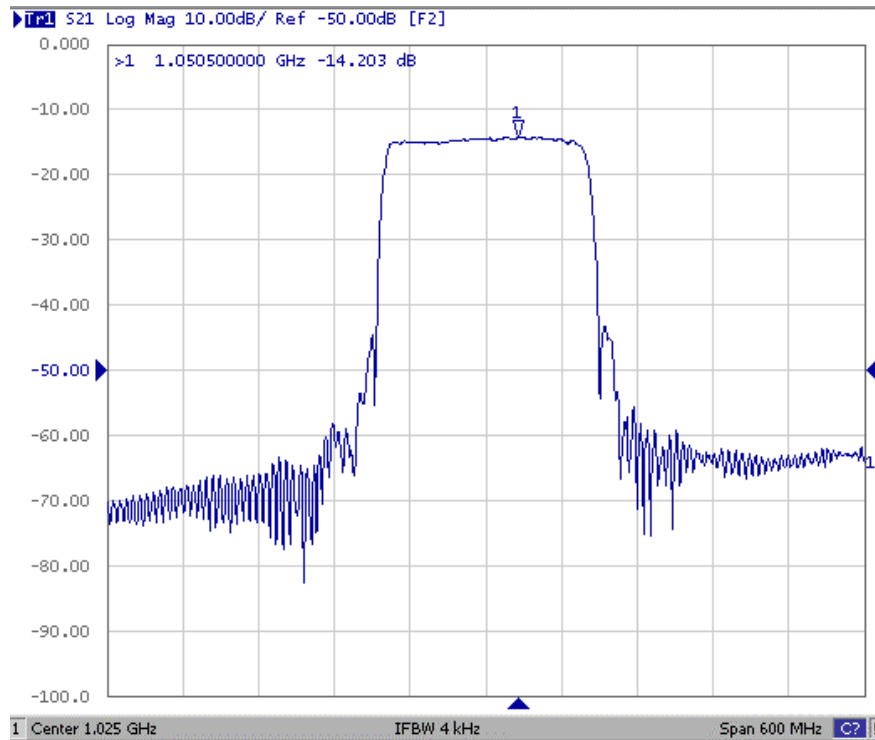


Fig1. Horizontal: 60MHz/Div Vertical: 10dB/Div

(2) Pass band Response:(span 200MHz)

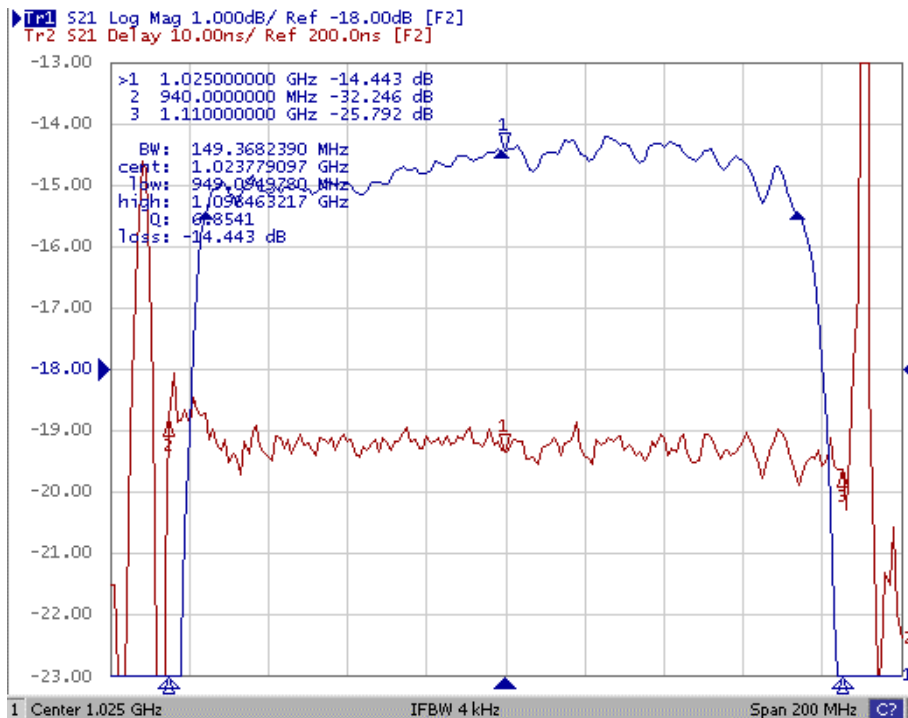
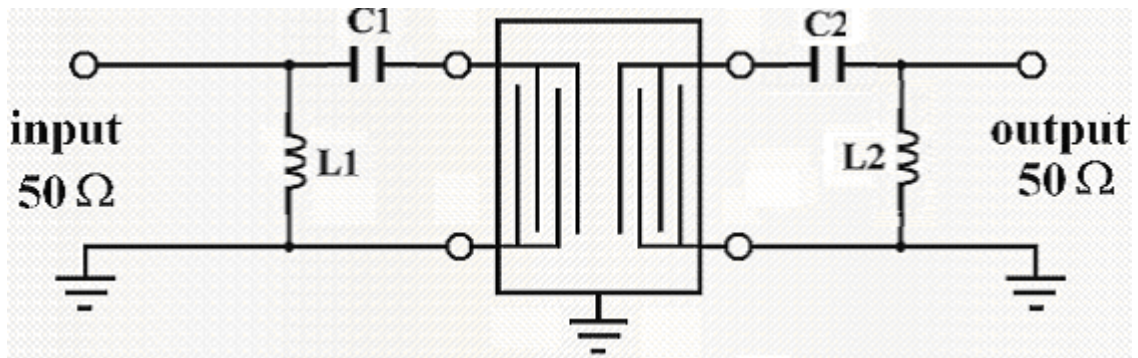


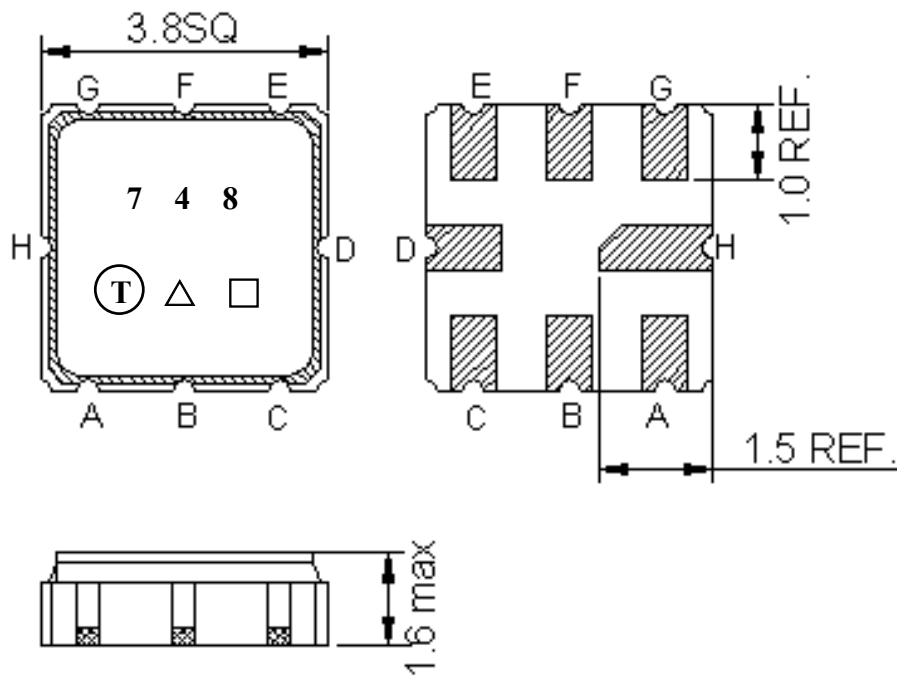
Fig2. Horizontal: 20MHz/Div Vertical: 1dB/Div
Vertical: 10nS/Div

D. Measurement Circuit:



L1=5.6nH L2=5.6nH C1=3.5pF C2=5pF

E. Outline Drawing:



Pin C – RF input
 Pin G – RF output
 Pin A, B, D, E, F, H – To Be Ground

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

H. RECOMMENDED REFLOW PROFILE :

