



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet for Product Specification

Issued Date:

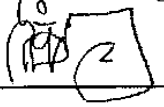
Product Name: 60MHz IF SAW Filter (BW=9.6MHz)

TST Parts No.: TB0635A

Customer Parts No.: _____

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Kazuma Lee 

Approval by: _____ Francis Chen 

Date: _____ 07/14/2008



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SAW Filter 60MHz 9.6 MHz BW (SMD 13.3×6.5 mm)

MODEL NO.: TB0635A

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

RoHS Compliant
Lead free
Lead-free soldering

B. Characteristics :

1. Ambient Temperature: 25 °C

Item	Unit	Min.	Type.	Max.
Center frequency, Fc	MHz	-	60.0	-
Insertion Loss, IL	dB	-	10.5	14.0
1 dB Bandwidth	MHz	9.6	10.9	-
3 dB Bandwidth	MHz	-	11.6	-
25 dB Bandwidth	MHz	-	13.8	16.0
40 dB Bandwidth	MHz	-	14.7	18.0
Pass band Ripple Fc±4.8MHz	P-P dB	-	0.5	1.2
VSWR Fc±4.8MHz	P-P dB	-	4.0	5.0
Group delay Variation Fc±4.8MHz	P-P nsec	-	40	150
Triple Transit Suppression	dB	40	45	-
Power Handling	dBm	10	-	-
Temp Coefficient	ppm/K	-	-94	-

C. FREQUENCY CHARACTERISTICS :

1.S21 Response

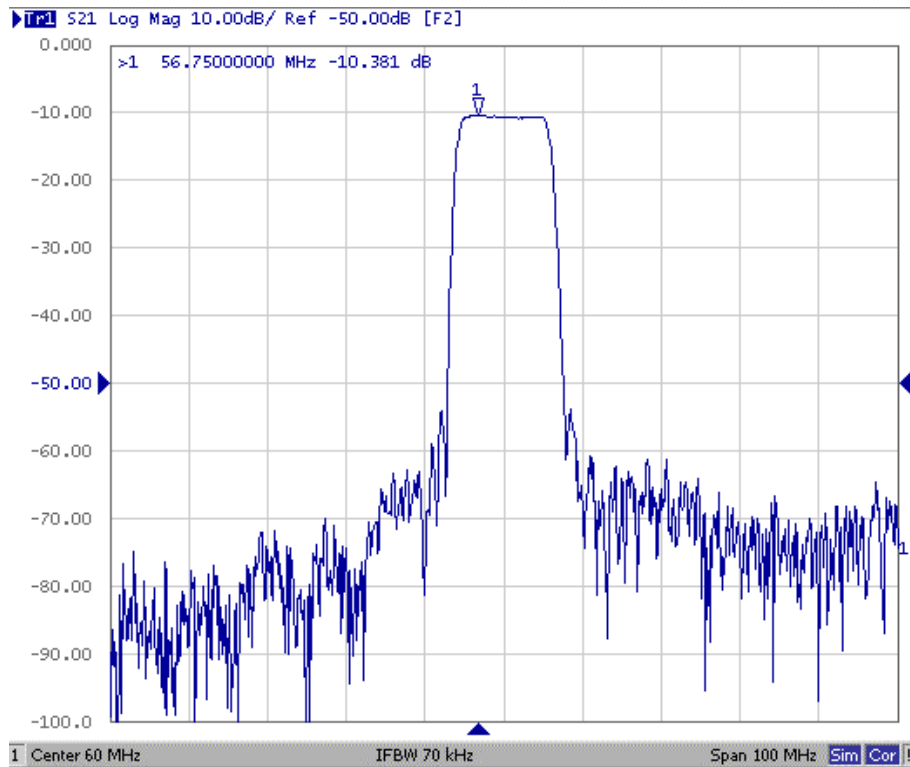


Fig1. Horizontal: 10MHz/Div Vertical: 10dB/Div

2. Passband Ripple & Group delay variation

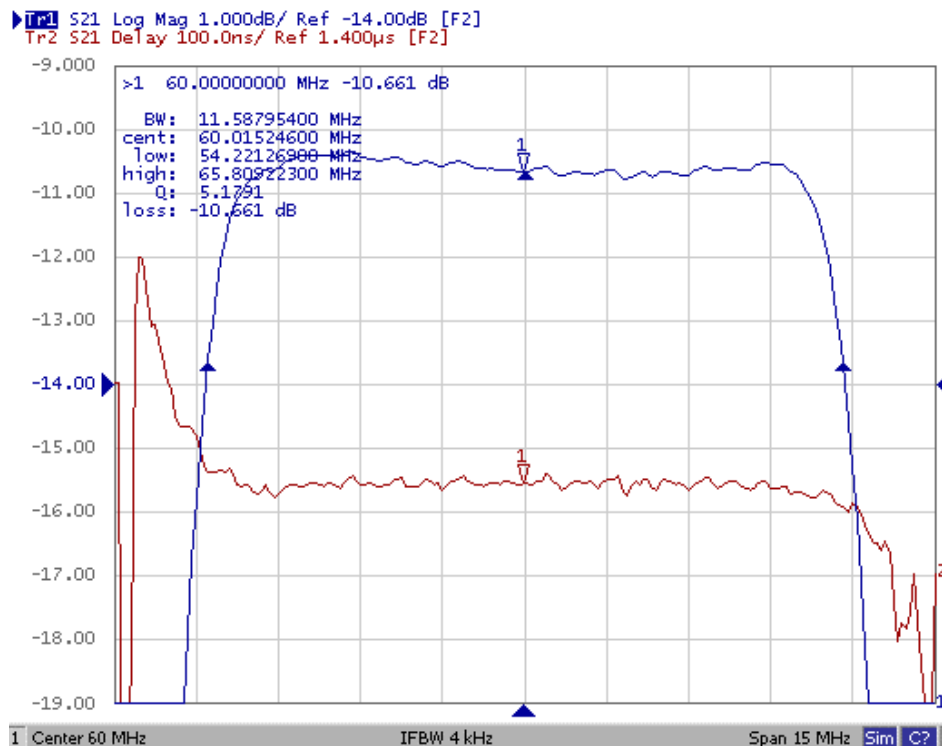
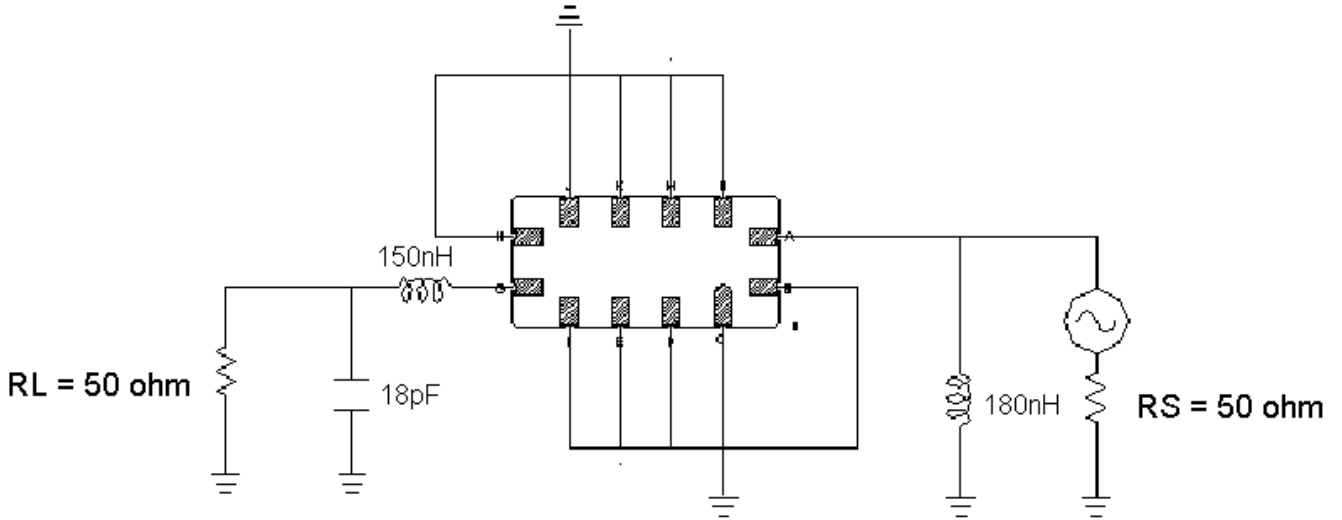


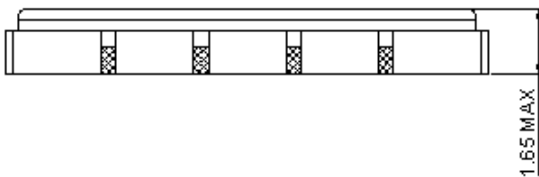
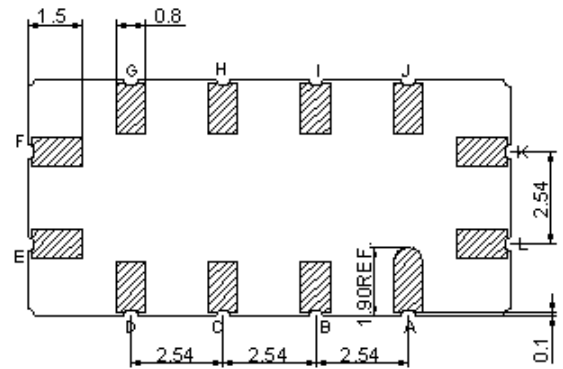
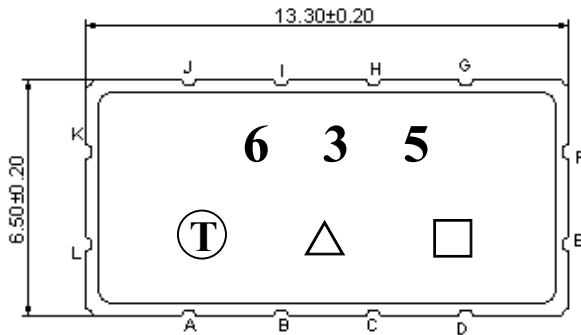
Fig2. Horizontal: 1.5MHz/Div Vertical: 1dB/Div
Vertical: 100nS/Div

D. MEASUREMENT CIRCUIT

1. Single ended input 50 ohm to Single ended Output 50 ohm



E. OUTLINE DRAWING:



Pin K : RF Input

Pin E : RF Output

Pin A, B, C, D, F, G, H, I, J, L : Ground

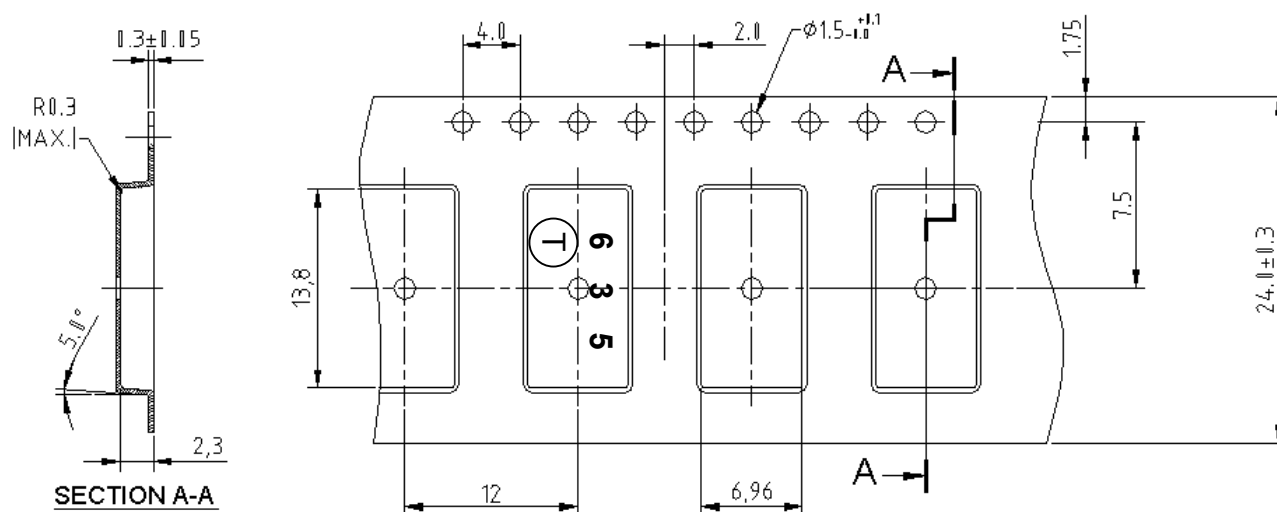
Unit: mm

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

△ : Product / Year Code

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

2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

