



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date:

Product Name: SAW IF Filter 110MHz

TST Parts No.: TB0654A

Customer Parts No.: _____

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

Checked by: _____ Kazuma Lee

Approval by: _____ Francis Chen 

Date: _____ 2008/07/14



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SAW Filter 110MHz 1.98 MHz BW (SMD 25×9 mm)

MODEL NO.: TB0654A

Rev No.1

A. MAXIMUM RATING:

1. Operating Temperature: -40 °C ~ +85 °C
2. Storage Temperature: -40°C to 85°C
3. Input Power Level: 10 dBm
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	-	110	-
Insertion Loss, IL	dB	-	16.5	18
3 dB Bandwidth	MHz	1.98	2.03	-
55 dB Bandwidth	MHz	-	3.3	3.6
Rejection Fc±15MHz	dB	50	53	-
Amplitude Ripple Fc±0.6MHz	dB	-	0.6	1.0
Absolute Group Delay	us	-	3.2	4

C. Frequency Characteristics:

Wideband Response:(span 40MHz)

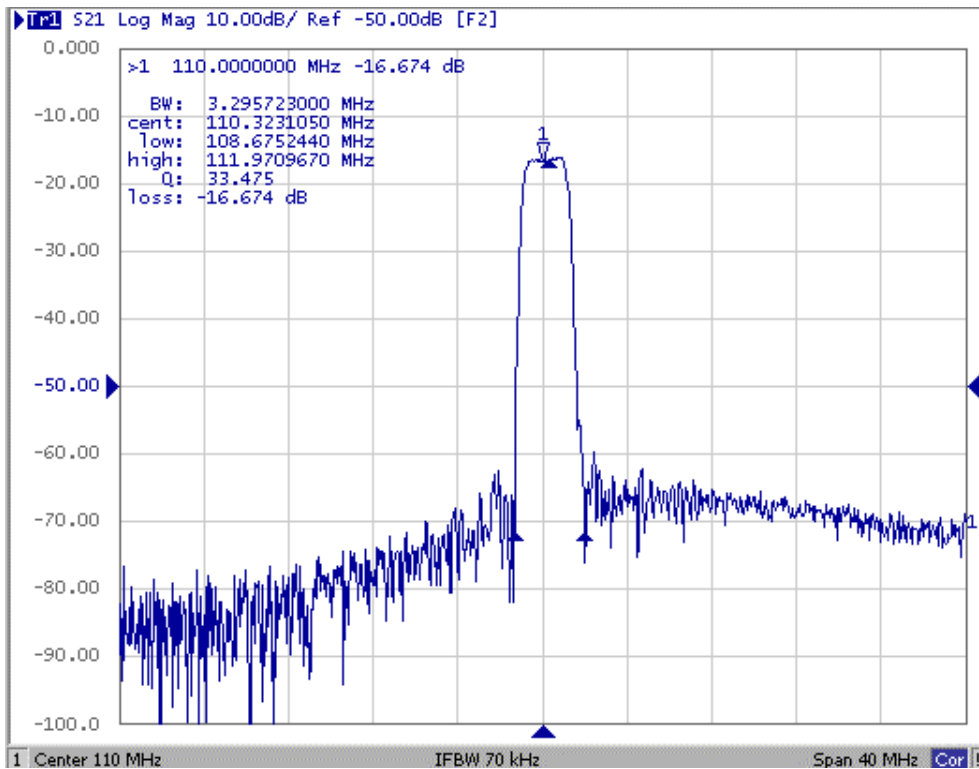


Fig1. Horizontal: 4MHz/Div Vertical: 10dB/Div

Passband Response and Group Delay Response:(span 4MHz)

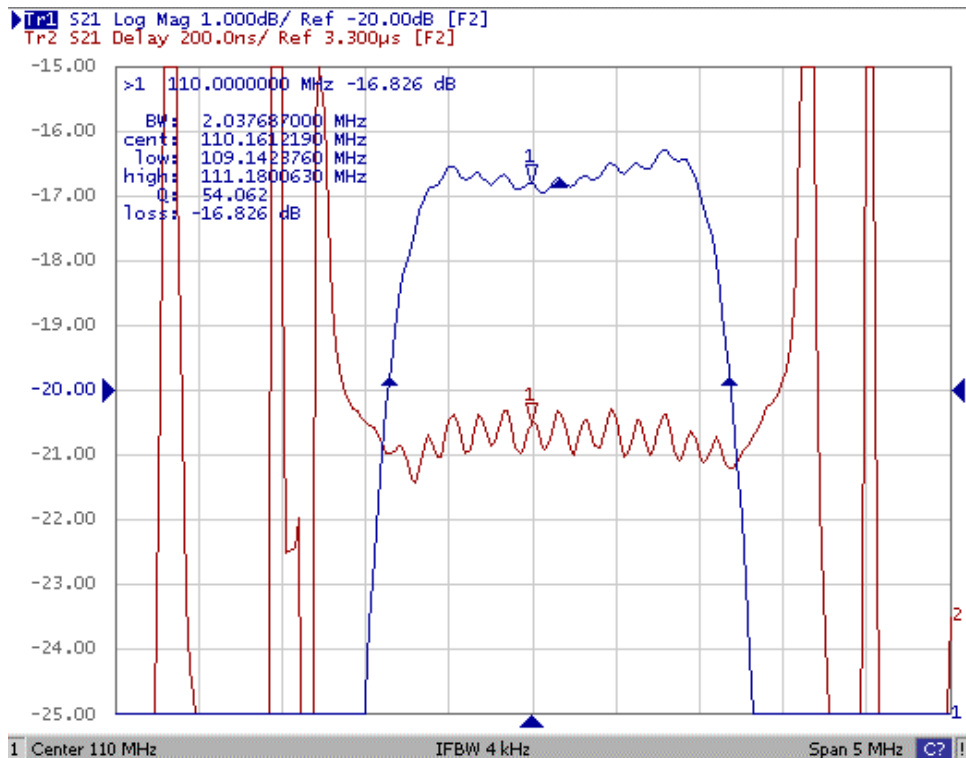
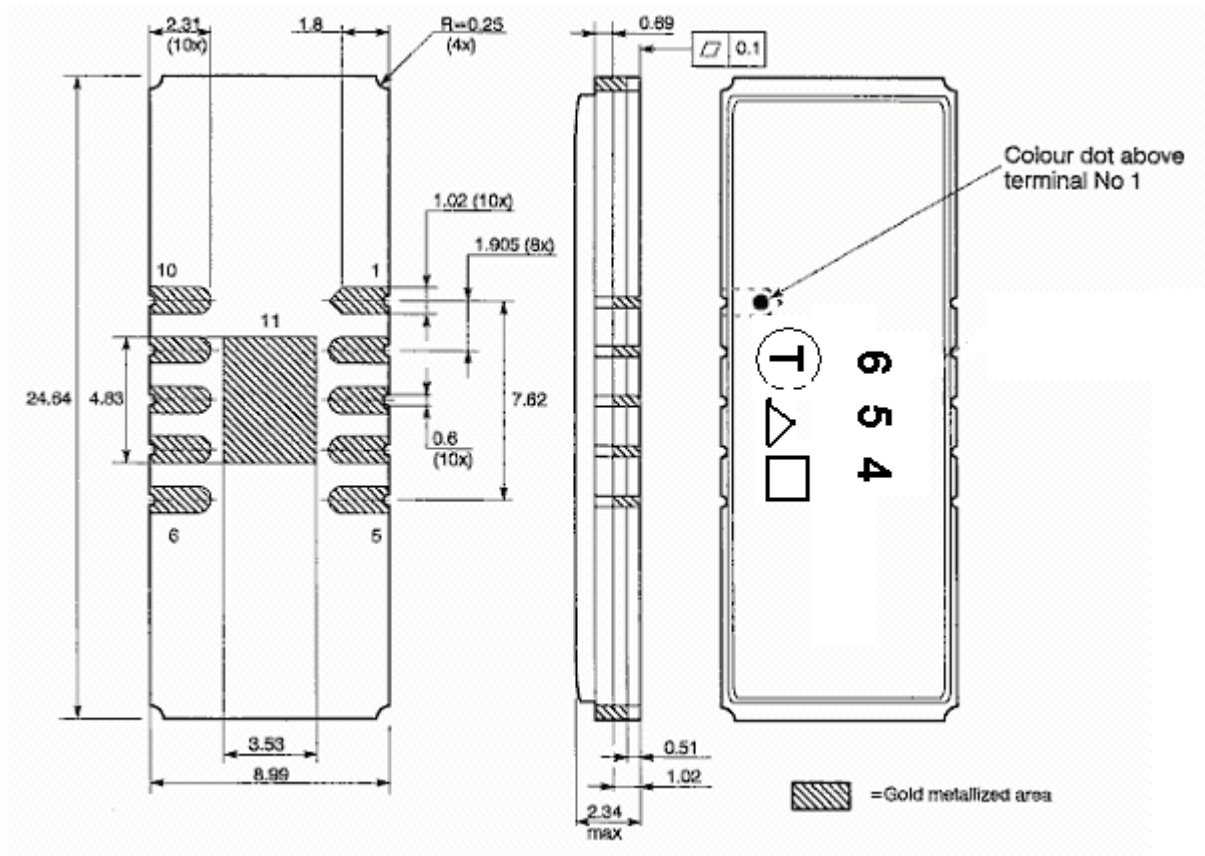


Fig2. Horizontal: 0.5MHz/Div Vertical: 1dB/Div
Vertical: 200ns/Div

D. Outline Drawing:



Pin 10 –Input

Pin 1 –Input Ground

Pin 5 – Output

Pin 6 – Output Ground

Pin 2,3,4,7,8,9 – Ground

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

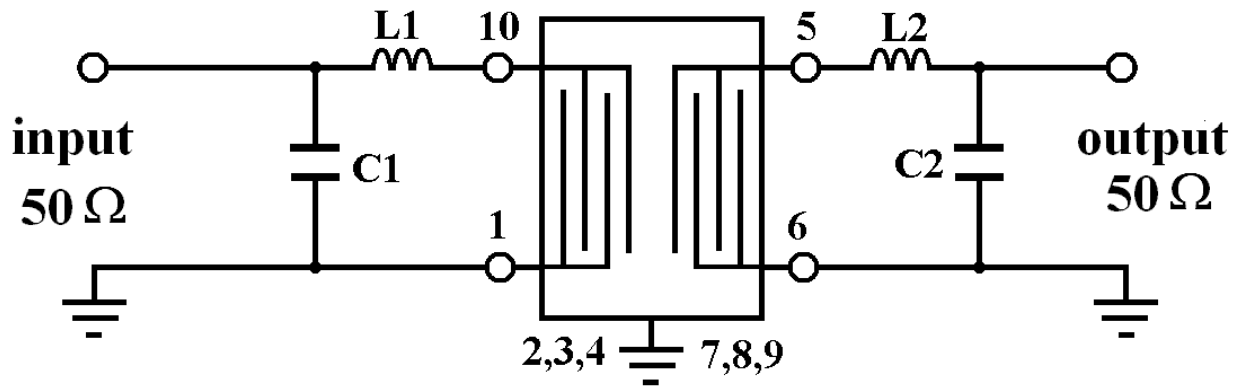
△ : Product / Year Code

Unit: mm

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

E. Matching Circuit:

50 Ohm single ended Input - 50 Ohm single ended Output



L1=180nH, C1=36pF; L2=150nH, C2=36pF

F. RECOMMENDED REFLOW PROFILE_:

