



# TAI-SAW TECHNOLOGY CO., LTD.

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## Product Specifications Approval Sheet

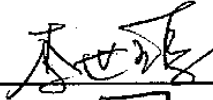
Issued Date:


Product Name: SAW IF Filter 435 MHz ( package 5.0mm x 5.0 mm )

TST Parts No.: TB0902A

Customer Parts No.: \_\_\_\_\_

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

Checked by: \_\_\_\_\_ Kazuma Lee 

Approval by: \_\_\_\_\_ Francis Chen 

Date: \_\_\_\_\_ 10 / 11 / 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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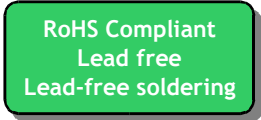
SAW Filter 435MHz 70MHz BW (SMD 5.0×5.0 mm)

MODEL NO.: TB0902A

REV. NO.1

## A. MAXIMUM RATING:

1. Operating temperature range: -30°C to 85°C
2. Storage temperature range: -40°C to 85°C
3. Input Power Level : 10 dBm
4. Maximum DC Voltage : 10V



## B. Characteristics :

1. Ambient Temperature: 25 °C

Item	Unit	Min.	Type.	Max.
Center frequency, <b>F<sub>c</sub></b>	MHz	-	435	-
Insertion Loss, <b>IL</b>	dB	-	13.2	16.0
-3dB bandwidth	MHz	70	74	-
Passband Ripple F <sub>c</sub> +/- 30MHz	dB	-	0.4	1.0
Attenuation:(Reference level from Min IL)				
DC ~ 355MHz	dB	40	48	
515MHz ~ 700MHz	dB	40	48	
Temperature Coefficient	ppm/°C	-	-94	-
Source Impedance	Ohm	-	50	-
Load Impedance	Ohm	-	50	-

### C. Frequency Characteristics :

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

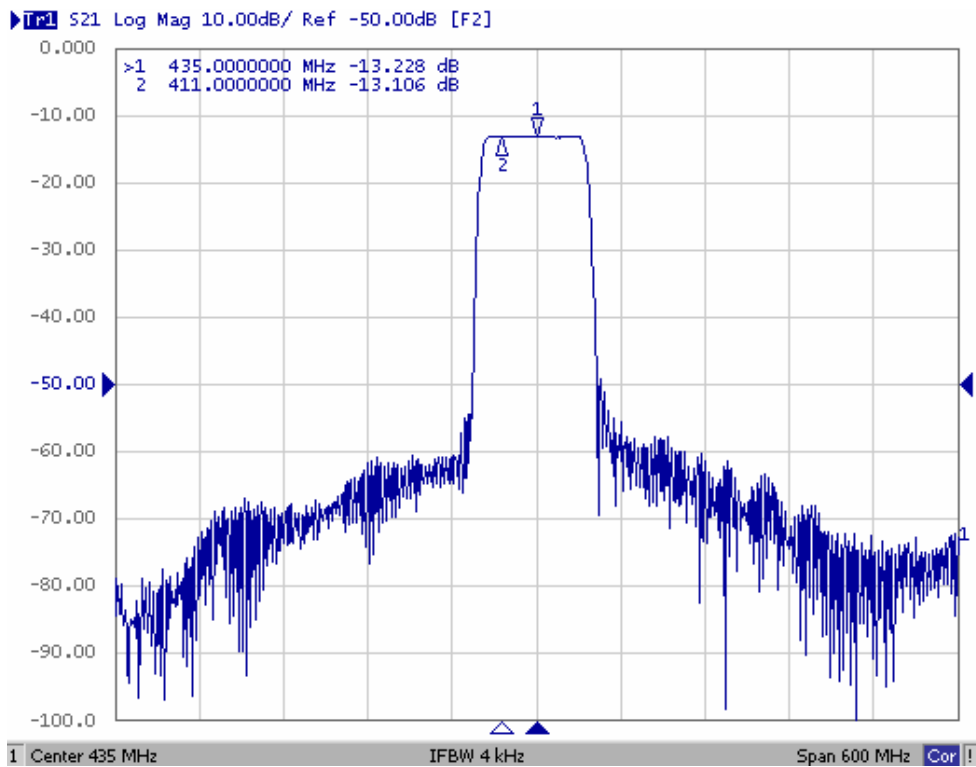


Fig1. Horizontal: 60MHz/Div Vertical: 10dB/Div

#### (2) Pass band Response and Group Time Delay response:

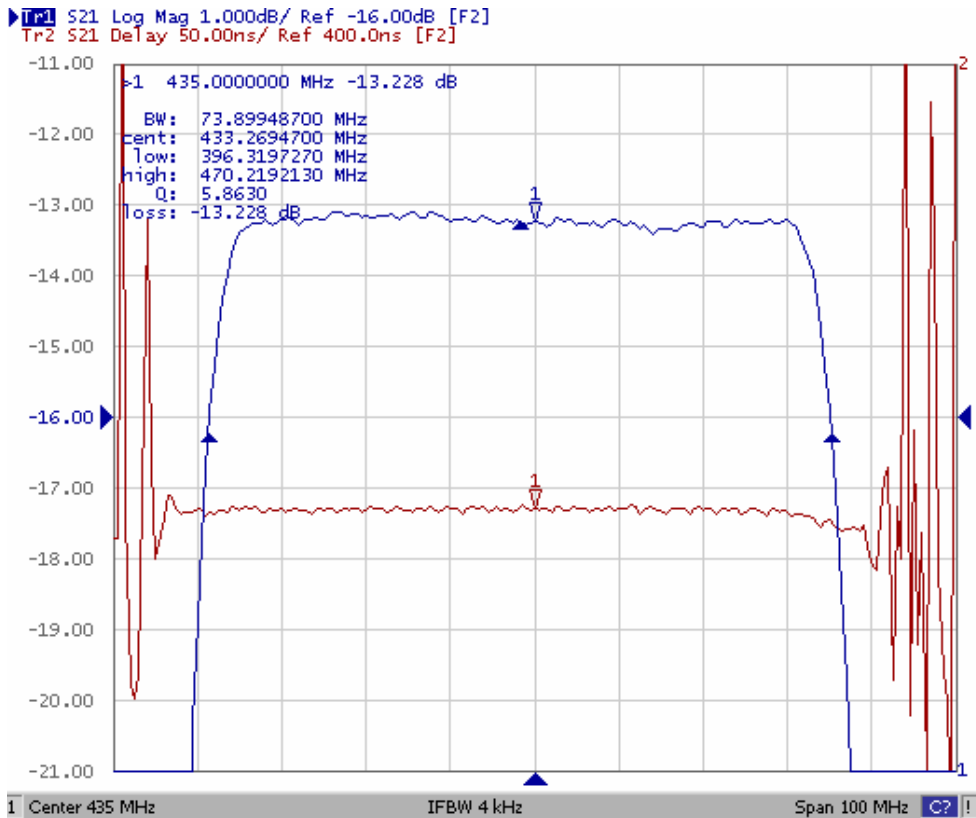
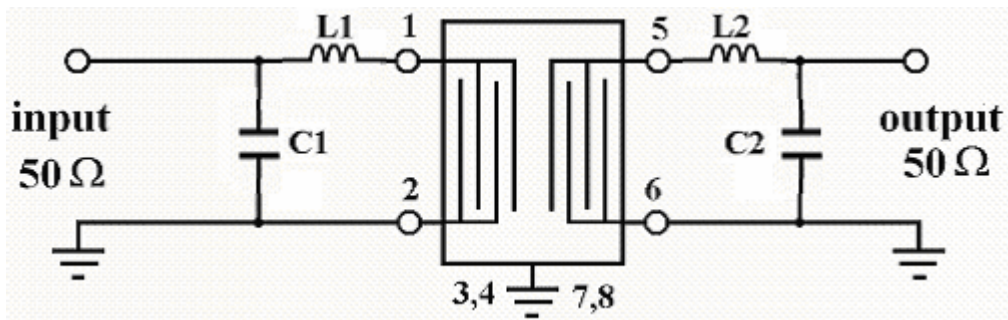


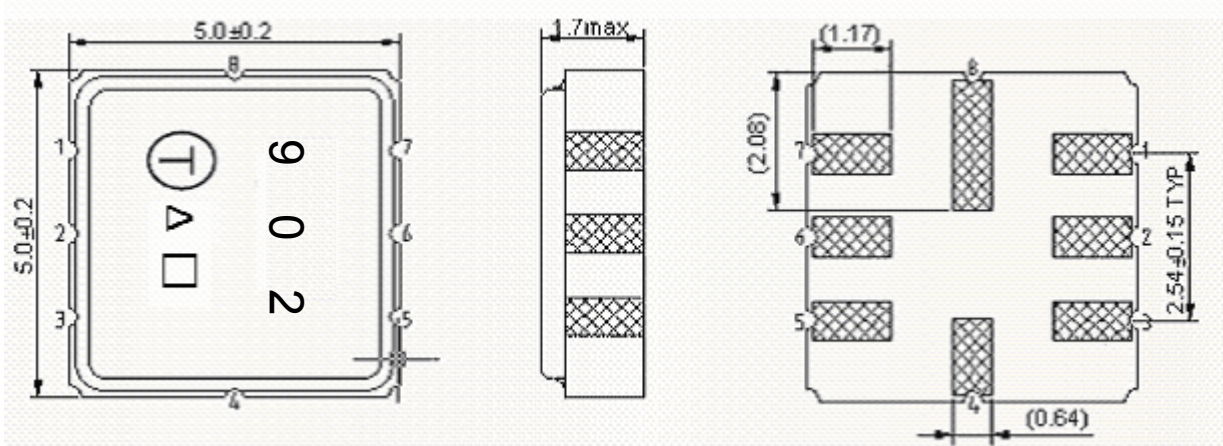
Fig2. Horizontal: 12MHz/Div Vertical: 1dB/Div  
Vertical: 50ns/Div

**D. Matching Circuit:**



L1=22nH L2=22nH C1=4.7pF C2=2.7pF

**E. Outline Drawing:**



- #1 –Input
- #2 –Input ground
- #5 – Output
- #6 – Output ground
- #3,4,7,8 – 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>



