



TAI-SAW TECHNOLOGY CO., LTD.

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Product Specifications Approval Sheet

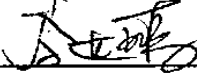
Issued Date:


Product Name: SAW IF Filter 106 MHz

TST Parts No.: TB0894A

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 106MHz 15MHz BW (Dip 22×12.5 mm)

MODEL NO.: TB0894A

REV. NO.1

A. MAXIMUM RATING:

1. Operating temperature range: -40°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 °

| Item | Unit | Min. | Type. | Max. |
|---------------------------------|--------|------|-------|------|
| Center frequency, Fc | MHz | - | 106 | - |
| Insertion Loss, IL | dB | - | 23 | 27 |
| -1.5dB bandwidth | MHz | 15.0 | 16.0 | - |
| -40dB bandwidth | MHz | - | 17.5 | 18.6 |
| Passband Ripple Fc+/-5MHz | MHz | - | 0.6 | 1.0 |
| Group Delay Variation Fc+/-5MHz | nsec | - | 50 | 120 |
| Absolute Delay | usec | - | 2.2 | 2.7 |
| Temp. Coefficient | ppm/°C | - | -94 | - |
| Source Impedance | Ohm | - | 50 | - |
| Load Impedance | Ohm | - | 50 | - |

C. Frequency Characteristics :

(1) Wide band Response:(span 100MHz)

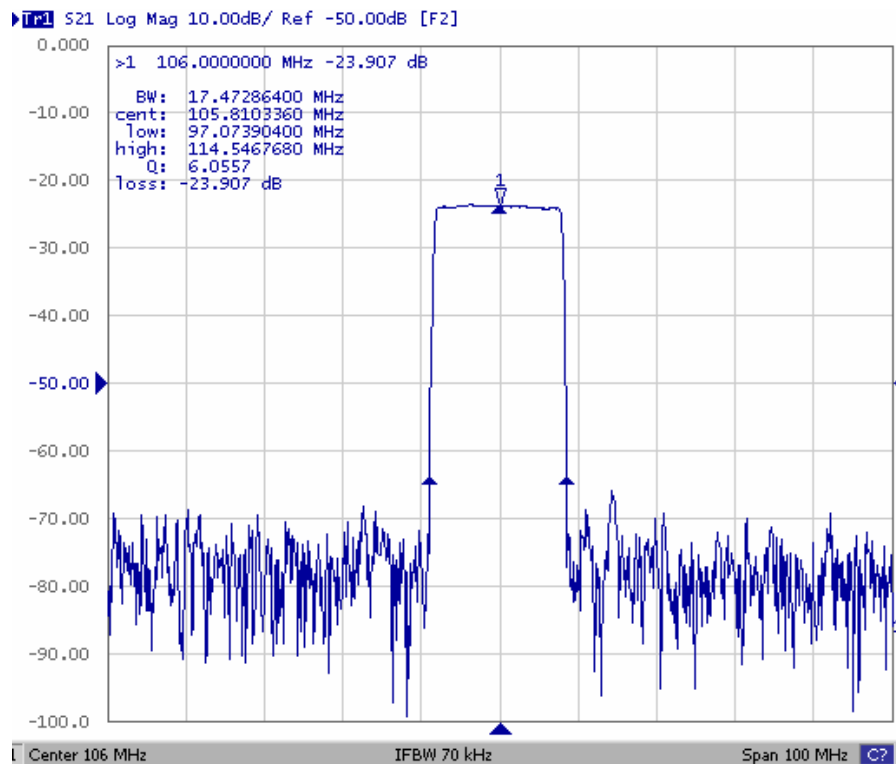


Fig1. Horizontal: 10MHz/Div Vertical: 10dB/Div

(2) Pass band Response and Group Delay Response:

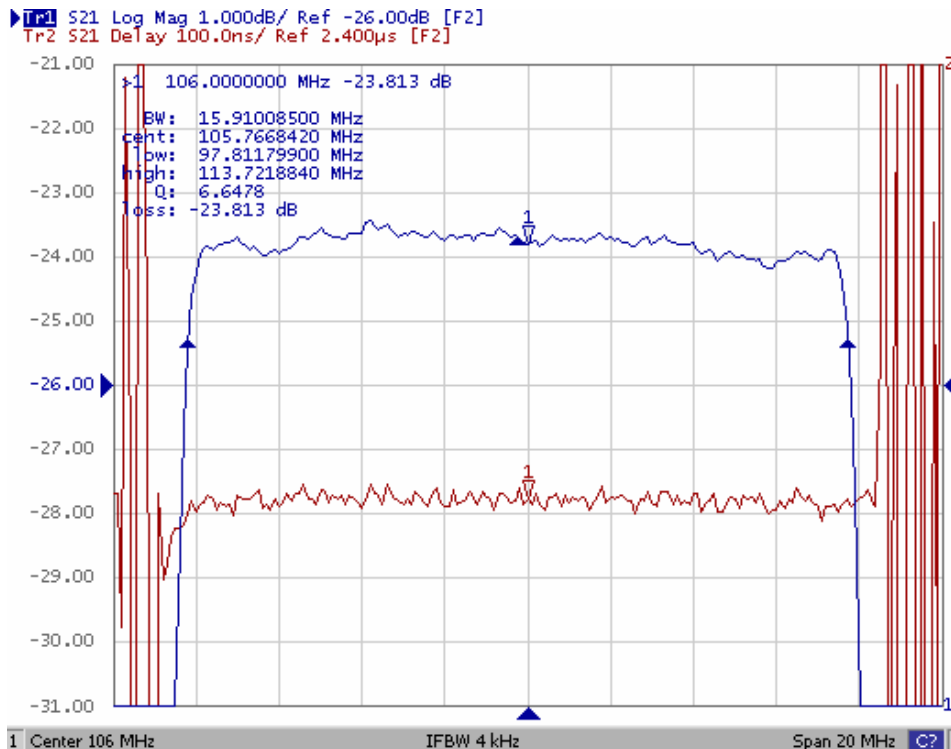
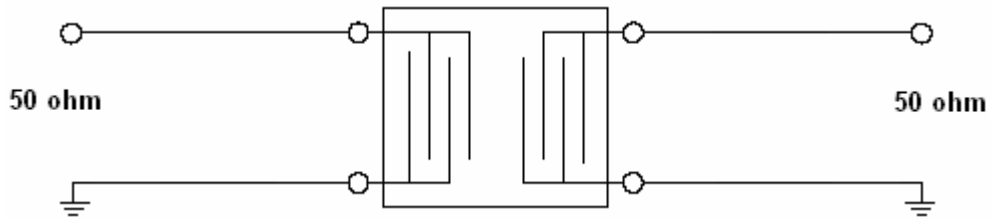
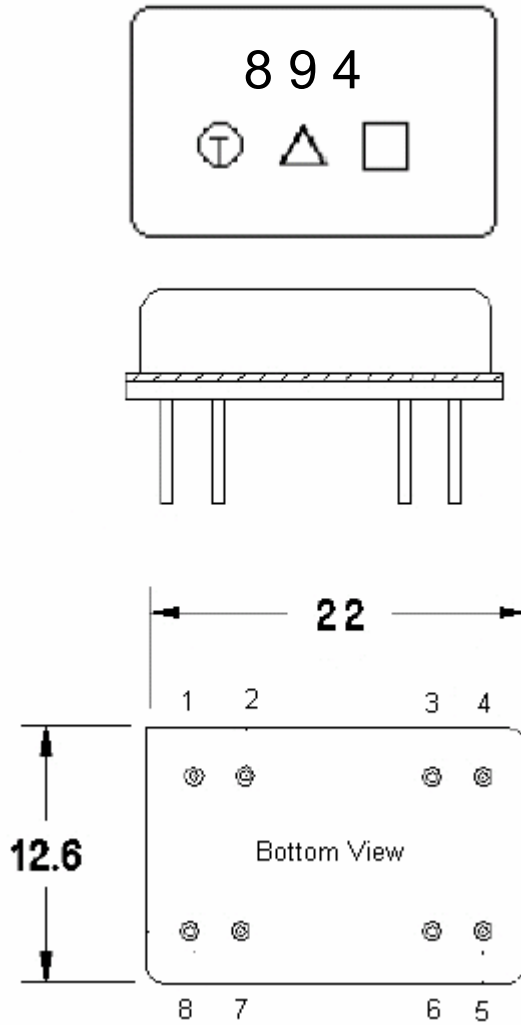


Fig2. Horizontal: 2MHz/Div Vertical: 1dB/Div
Vertical: 100ns/Div

D. Matching Circuit:



E. Outline Drawing:



#8 : Input

#1 : Input Ground

#4 : Output

#5 : Output Ground

#2,3,6,7 : Ground

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

Unit: mm

△ : Product / Year Code

| | | | | |
|--------------|--------------|--------------|--------------|--------------|
| Year | 2009 2013 | 2010 2014 | 2011 2015 | 2012 2016 |
| Product Code | B | b | <u>B</u> | <u>b</u> |

F. RECOMMENDED REFLOW PROFILE_:

