



TAI-SAW TECHNOLOGY CO., LTD.

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Product Specifications Approval Sheet


Product Name: SAW IF Filter 140 MHz

TST Parts No.: TB0895A

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 140MHz 51MHz BW (Dip 22×12.6 mm)

MODEL NO.: TB0895A

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	-	140	-
Insertion Loss, IL	dB	-	30	32
-1.5dB bandwidth	MHz	49.5	50.7	-
-40dB bandwidth	MHz	-	52.5	54
Passband Ripple Fc+/-18MHz	MHz	-	0.6	1.0
Group Delay Variation Fc+/-18MHz	nsec	-	65	120
Absolute Delay	usec	-	1.7	2.2
Temp. Coefficient	ppm/°C ²	-	-94	-
Source Impedance	Ohm	-	50	-
Load Impedance	Ohm	-	50	-

C. Frequency Characteristics :

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

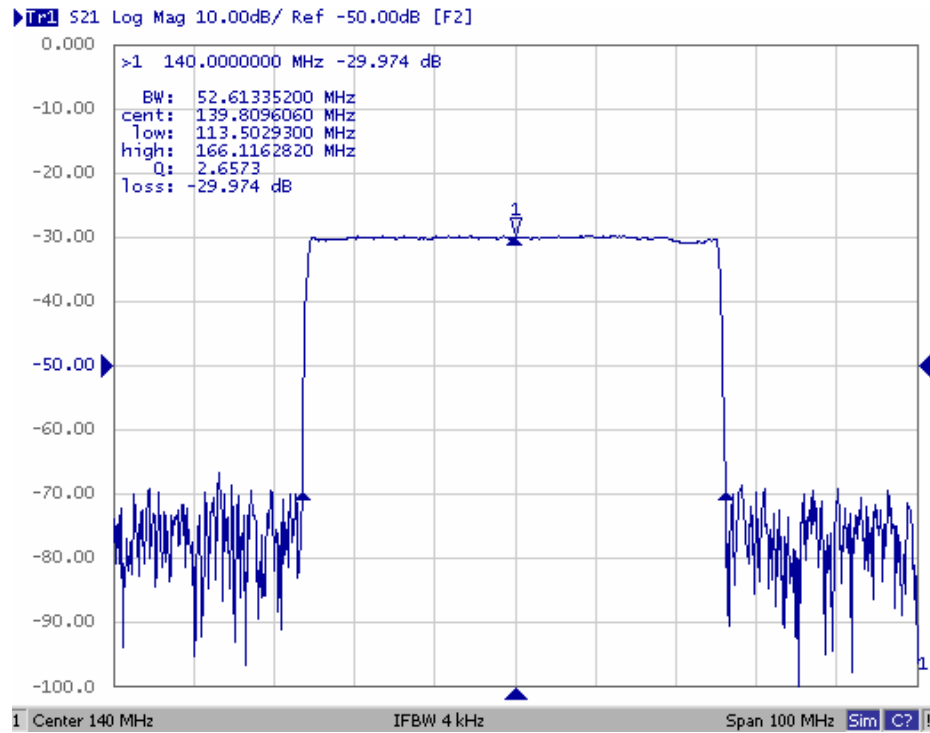


Fig1. Horizontal: 10MHz/Div Vertical: 10dB/Div

(2) Pass band Response and Group Delay Response:

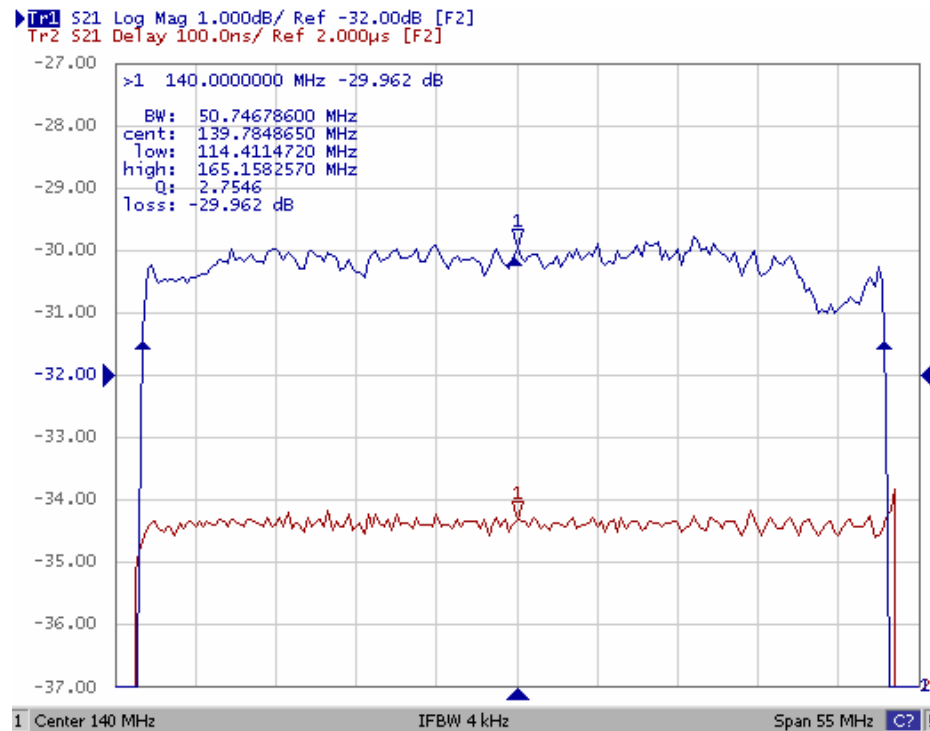
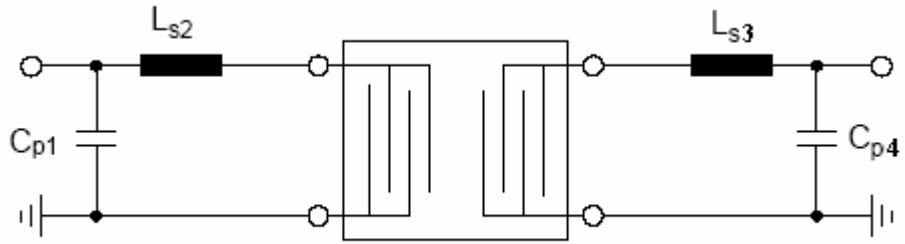


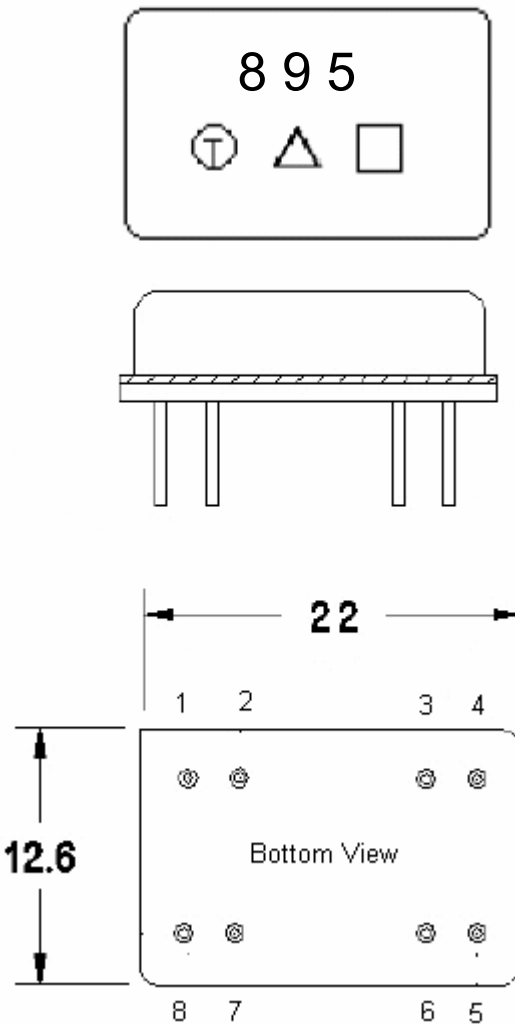
Fig2. Horizontal: 2MHz/Div Vertical: 1dB/Div
Vertical: 100ns/Div

D. Matching Circuit:



Ls2=56nH Ls3=68nH Cp1=6.8pF Cp2=6.8pF

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_:

