



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Product Specifications Approval Sheet

Product Name: SAW IF Filter 897 MHz (package 5.0mm x 7.0 mm)

TST Parts No.: TB0840A

Customer Parts No.: _____

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

Checked by: _____ Kazuma Lee 

Approval by: _____ Francis Chen 

Date: _____ 11 / 24 / 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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IF SAW Filter 897MHz SMD 5.0X7.0mm

MODEL NO.: TB0840A

REV. NO.1

A. MAXIMUM RATING:

1. 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

RoHS Compliant
 Lead free
 Lead-free soldering

B. Characteristics :

Characteristics	Value		
	Min.	Typ.	Max.
Center frequency F_C MHz	-	897	-
Maximum Insertion loss I.L. dB	-	28	30
3dB Band Width MHz	24	26	-
30dB Band Width MHz		29	32
Passband Ripple in $F_C \pm 10$ MHz dB	-	0.5	1.2
Group Delay in $F_C \pm 10$ MHz nsec	-	40	120
Absolute delay usec	-	0.82	-
Single Input Impedance Ohm	-	50	-
Single Output Impedance Ohm	-	50	-
Temperature Coefficient ppm/°C	-	-0.036	-

C. Frequency Responses:

1. Wide band response

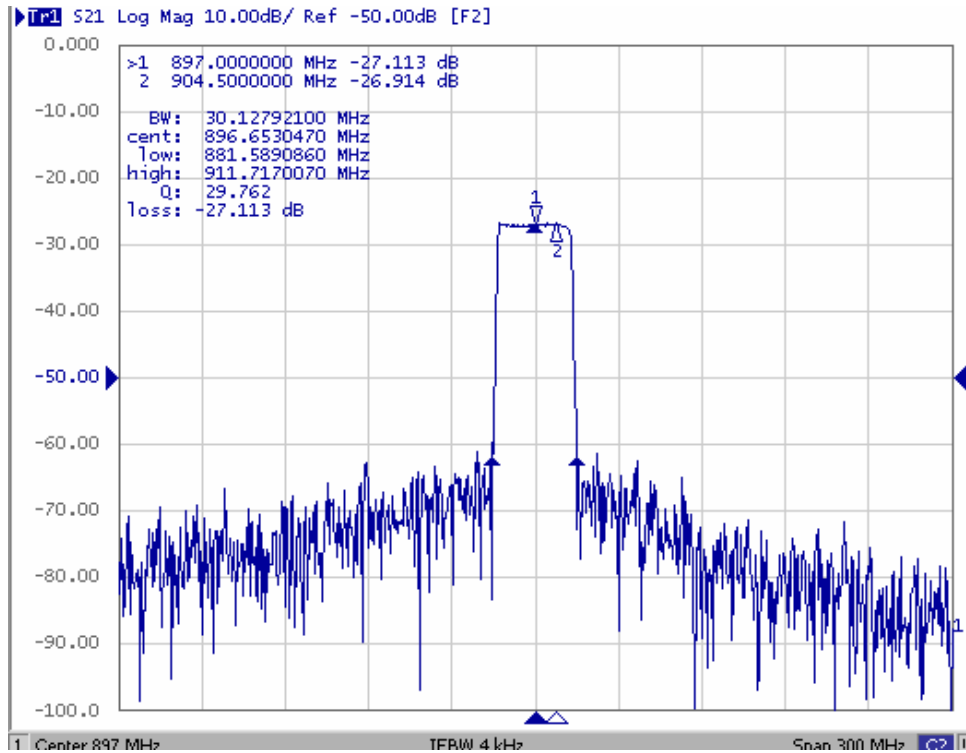


Fig1. Horizontal: 30MHz/Div Vertical: 10dB/Div

2. Pass band & Group Delay response

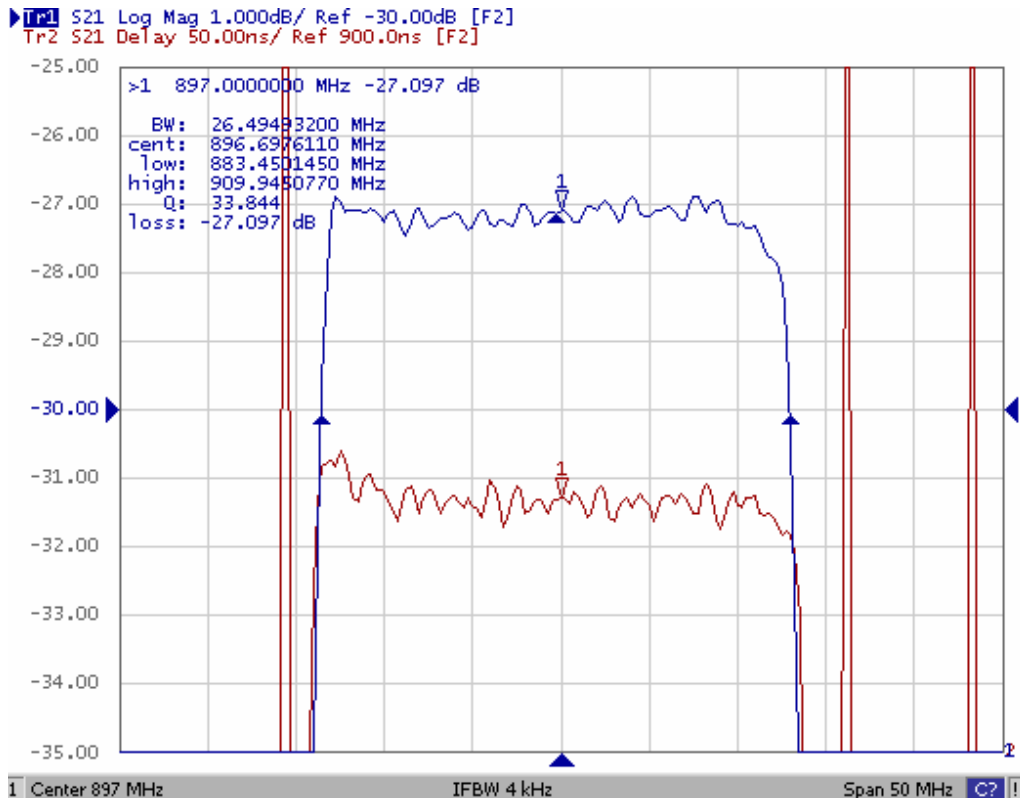
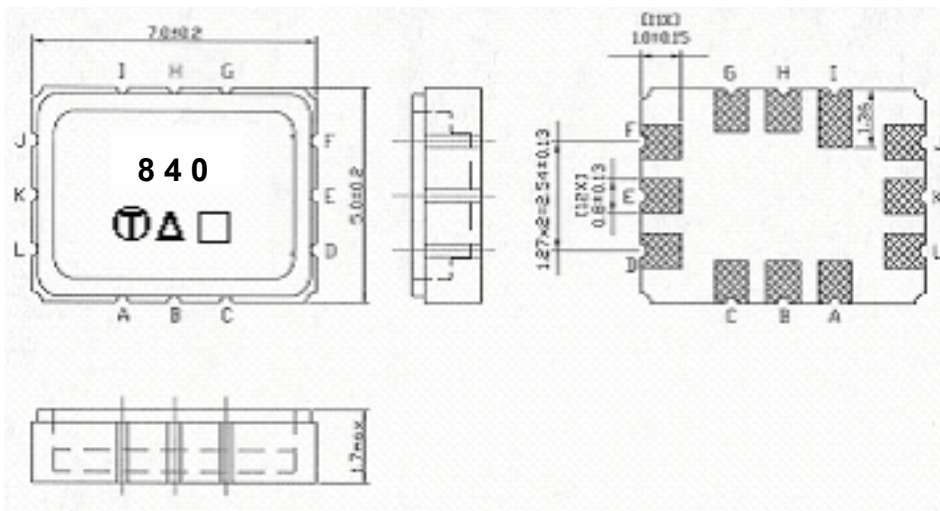


Fig2. Horizontal: 5MHz/Div Vertical: 1dB/Div
Vertical: 50ns/Div

D. Outline Drawing:



Pin J –RF input

Pin D –RF output

Pin A,B,C,E,F,G,H,I,K,L - Ground

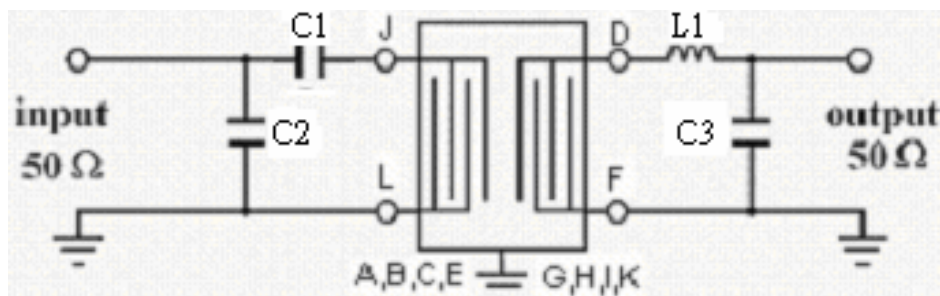
□ : Week Code (Follow the table from planner each year)

Unit : mm

△ : Product / Year Code

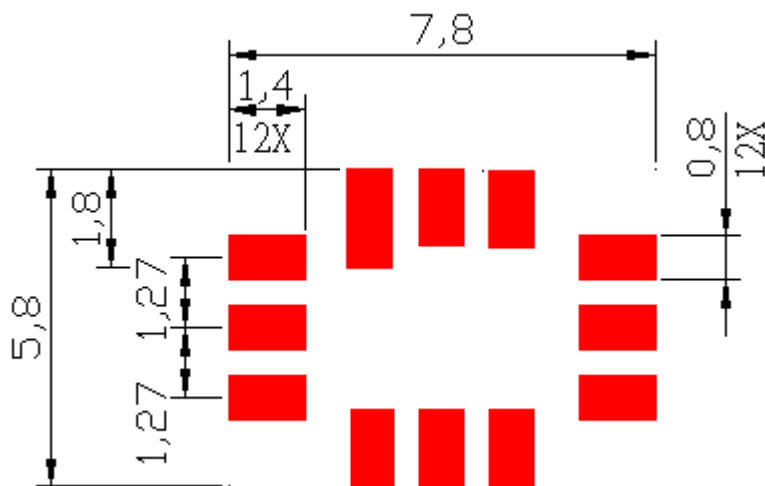
Year	2009 2013	2010 2014	2011 2015	2012 2016
Product Code	B	b	<u>B</u>	<u>b</u>

E. Measurement Circuit:



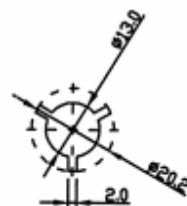
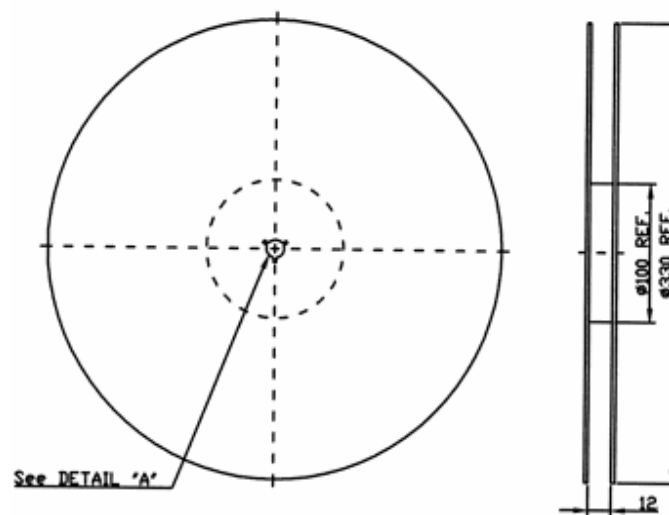
L1=3nH C1=27pF C2=10pF C3=10pF

F. PCB Footprint

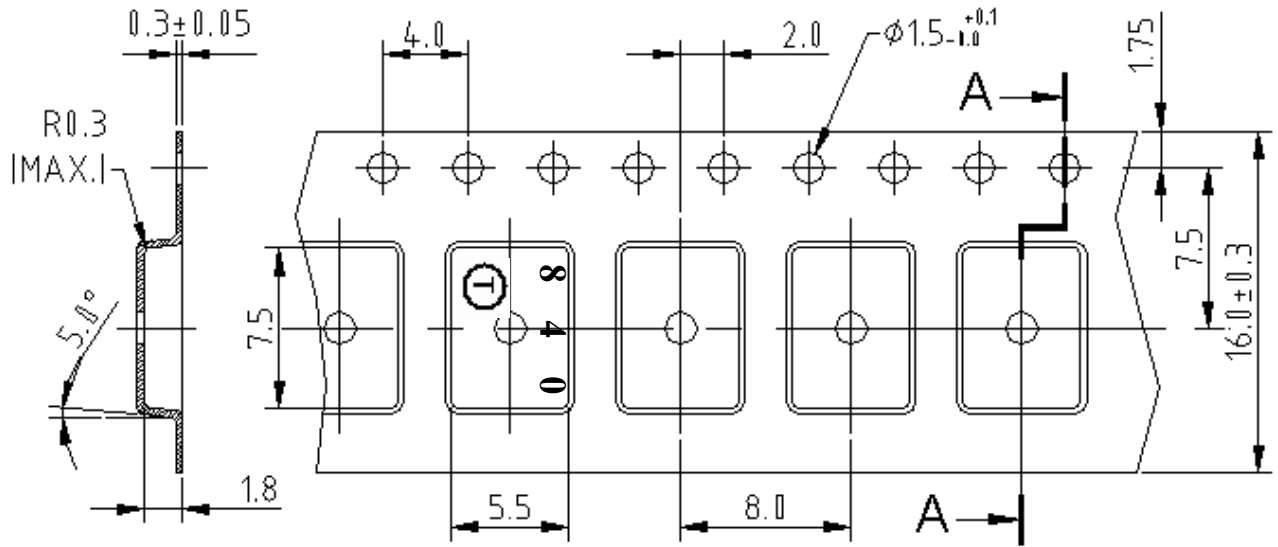


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

