TAI-SAW TECHNOLOGY CO., LTD.
No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.
TEL: 886-3-4690038 FAX: 886-3-4697532
E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

Product Specifications Approval Sheet

Product Name: SAW IF Filter 875 MHz (package 13.3mm x 6.5 mm)

TST Parts No.: TB0883A

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 875MHz SMD 13.3X6.5mm

MODEL NO.: TB0883A REV. NO.1

A. MAXIMUM RATING:

RoHS Compliant
Lead free
Lead-free soldering

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

B. Characteristics :

1. Ambient Temperature: 25 °C

Characteristics		Value		
		Min.	Typ.	Max.
Center frequency F_C	MHz	-	875	-
Maximum Insertion loss I.L.	dB	-	23.5	25.5
1dB Band Width	MHz	10.0	10.7	-
3dB Band Width	MHz	-	11.3	-
40dB Band Width	MHz		14.1	15.0
Passband Ripple at F_C±4.8 MHz	dB	-	0.8	1.2
Group Delay in F_C±4.8 MHz	nsec	-	60	110
Absolute group Delay	usec	-	1.1	-
Attenuation (Reference level from minimum Insertion loss)				
Fc +/- 7.5MHz	dB	34	42	-
Single Input Impedance	Ohm	-	50	-
Single Output Impedance	Ohm	-	50	-
Temperature Coefficient	ppm/°C^2	-	-0.036	-

C. Frequency Responses:

1. Wide band response

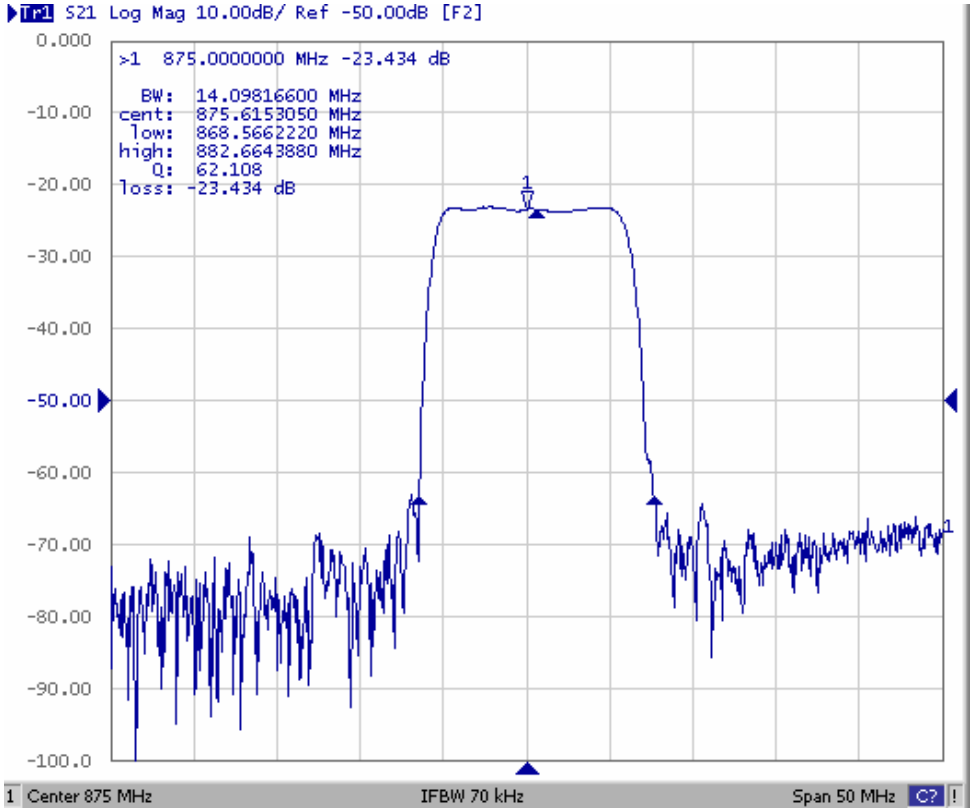


Fig1. Horizontal: 5MHz/Div Vertical: 10dB/Div

2. Pass band & Group Delay response

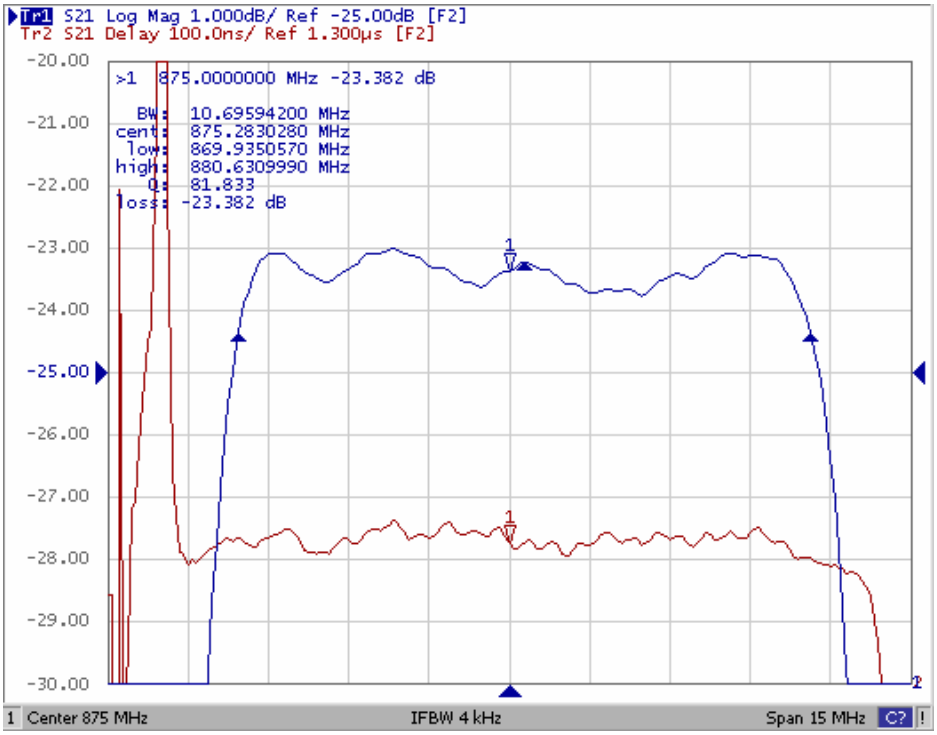
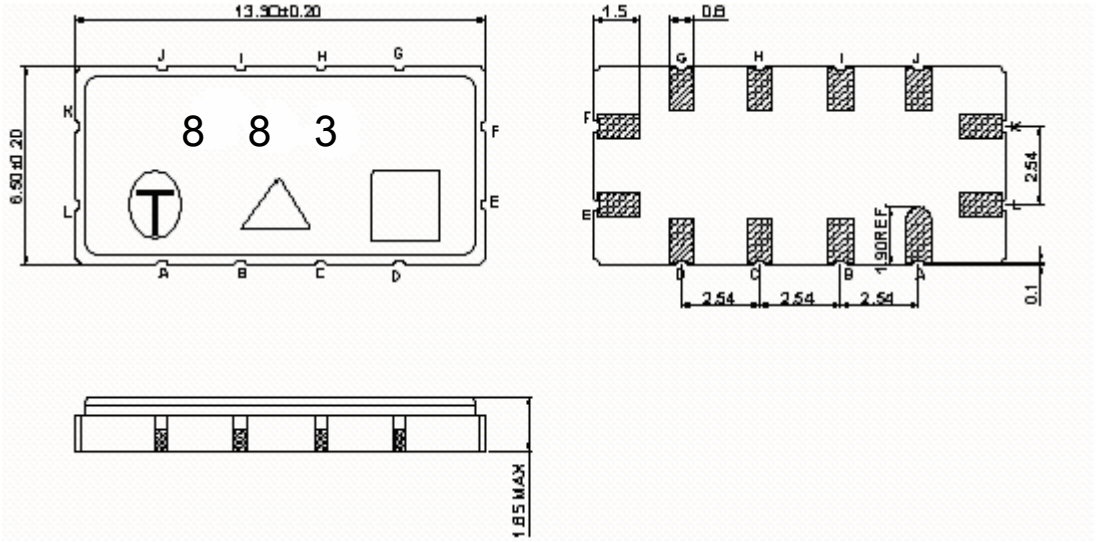


Fig2. Horizontal: 1.5MHz/Div Vertical: 1dB/Div
Vertical: 100ns/Div

D. Outline Drawing:



#K : Input

#L : Input Ground

#E : Output

#F : Output Ground

#A,B,C,D,G,H,I,J : Ground

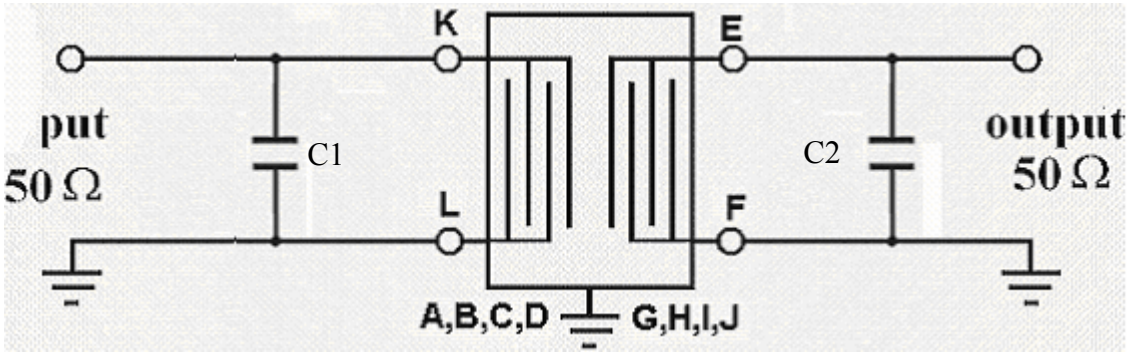
□: Week Code (Follow the table from planner each year)

Unit: mm

△ : Product / Year Code

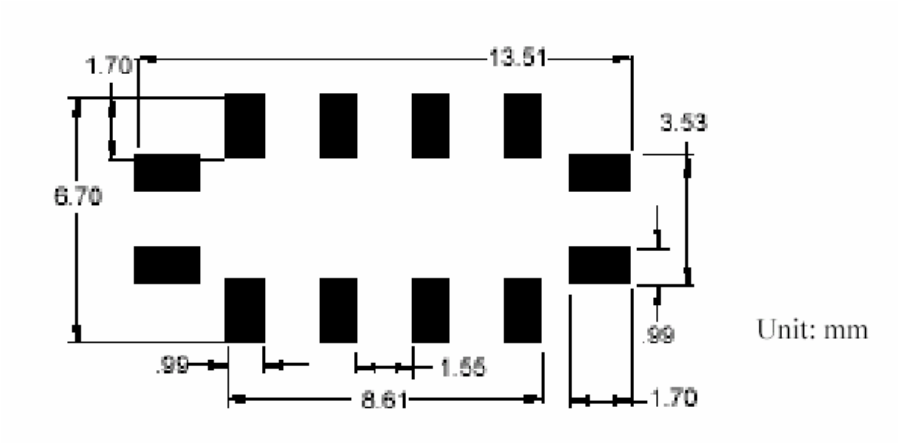
Year	2009 2013	2010 2014	2011 2015	2012 2016
Product Code	B	b	B	b

E. Measurement Circuit: Matching Circuit:



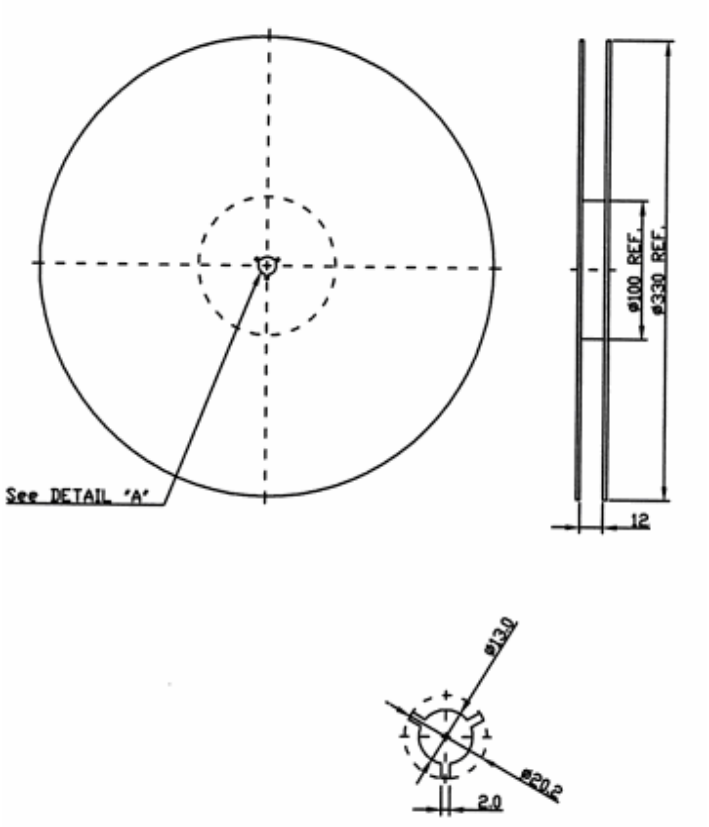
C1= 3.3pF C2=6.8pF

F. PCB Footprint

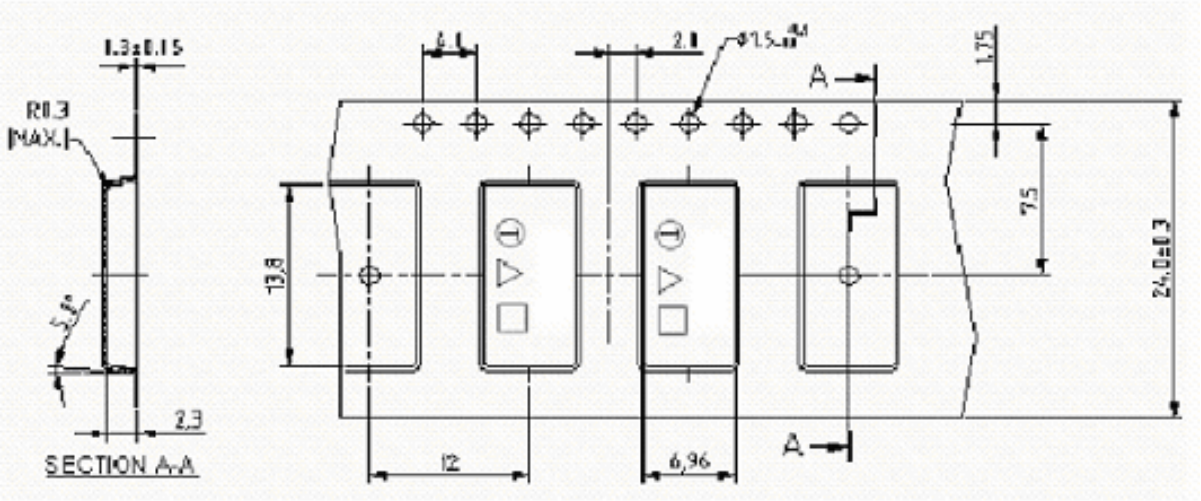


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

