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

Approval Sheet For Product Specification

Issued Date:

Product Name: SAW IF Filter 70MHz

TST Parts No.: TB0644A

Customer Parts No.:_____

Company:_____
Division:_____
Approved by :_____
Date:_____

Checked by: Kazuma Lee

Approval by: Francis Chen

Date: 2008/10/15

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SAW Filter 70MHz 0.1MHz BW (SMD 13.3×6.5 mm)
MODEL NO.: TB0644A 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. Maximum Input Power : 10dBm
4. Maximum DC Voltage : 10V

B. Characteristics :

Item	Unit	Min.	Typ.	Max.
Center frequency, **Fc**	MHz	-	70	-
Insertion Loss, **IL**	dB	-	5.4	7.0
1dB Passband width	kHz		173	-
3dB Passband width	kHz	100	270	-
10dB Passband width	kHz		430	-
20dB Passband width	kHz		500	-
30dB Passband width	kHz		600	-
Amplitude Ripple Fc+/-50kHz	P-P dB	-	0.4	1.0
Group delay ripple Fc+/-50kHz	usec	-	0.8	2
Temperature Coefficient	ppm/°C^2	-0.036		
Source Impedance (Balanced)	Ohm	50		
Load Impedance (Balanced)	Ohm	50		

C. Frequency Characteristics :

1. S21 Response

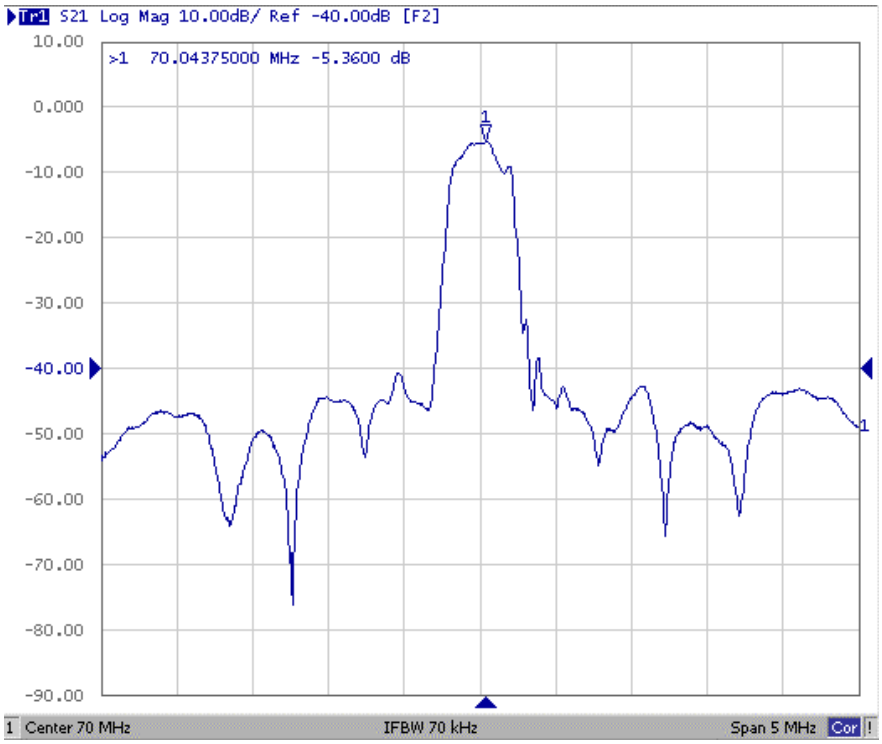


Fig1. Horizontal: 0.5MHz/Div Vertical: 10dB/Div

2. S21 Response (Group delay ripple of Passband)

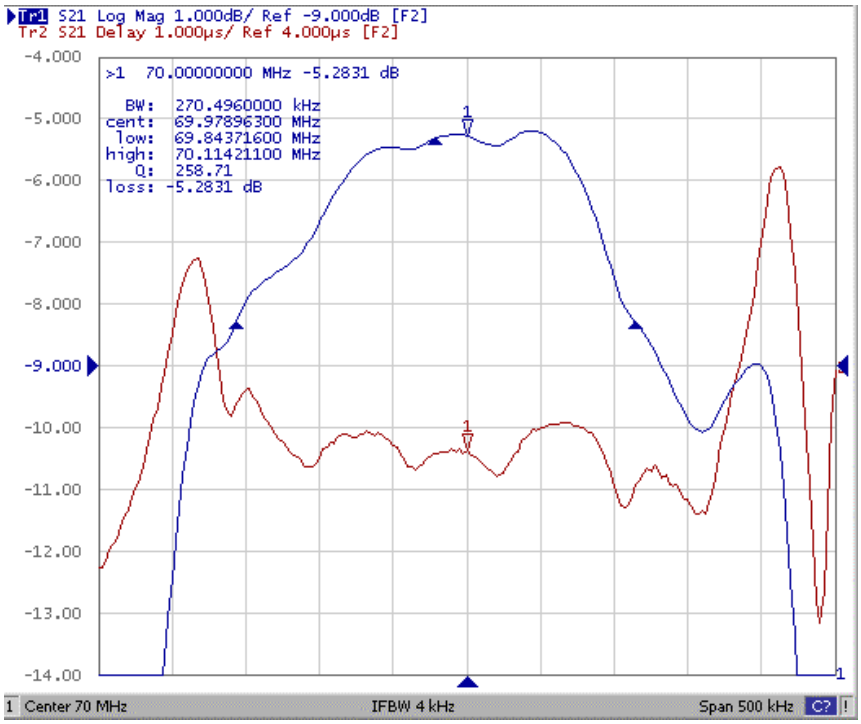
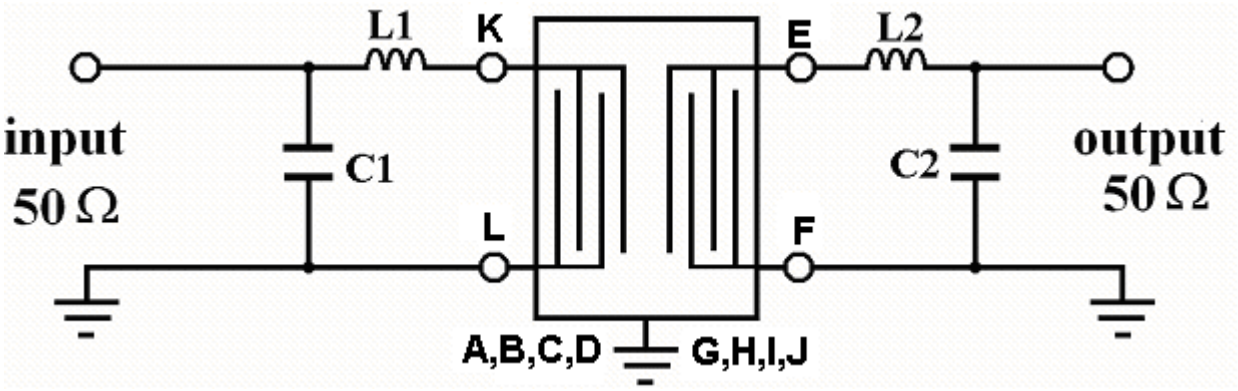


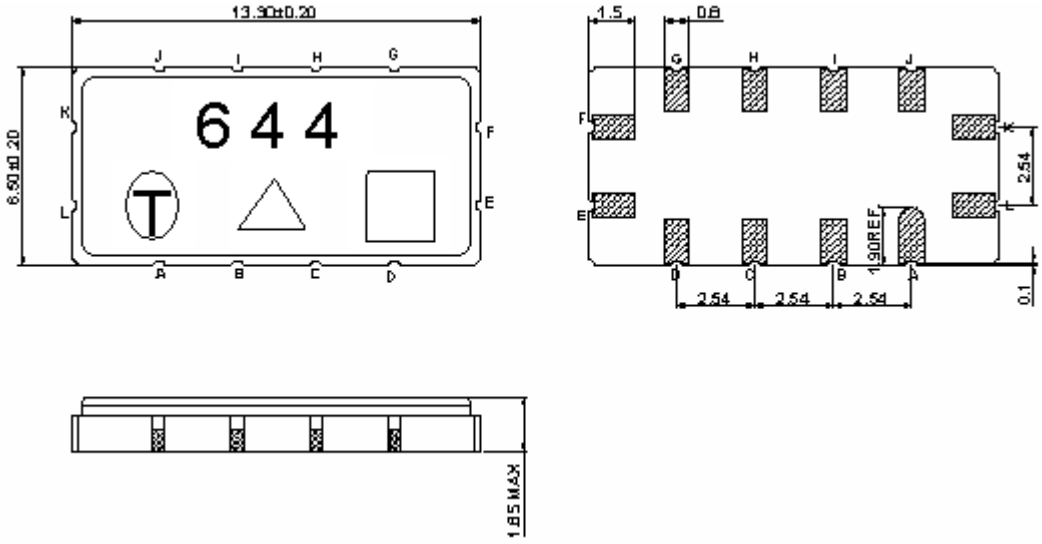
Fig2. Horizontal: 50KHz/Div Vertical: 1dB/Div
Vertical: 1000nS/Div

D. Matching Circuit:



L1=377nH C1=62pF L2=317nH C2=68pF

E. Outline Drawing:



#K : Input

#L : Input Ground

#E : Output

#F : Output Ground

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

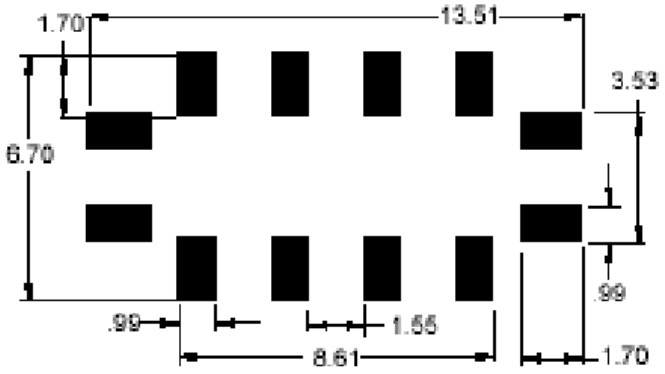
□: Week Code (Follow the table from planner each year)

Unit: mm

△ : Product / Year Code

Year	2005 2009	2006 2010	2007 2011	2008 2012
Product Code	B	b	B	b

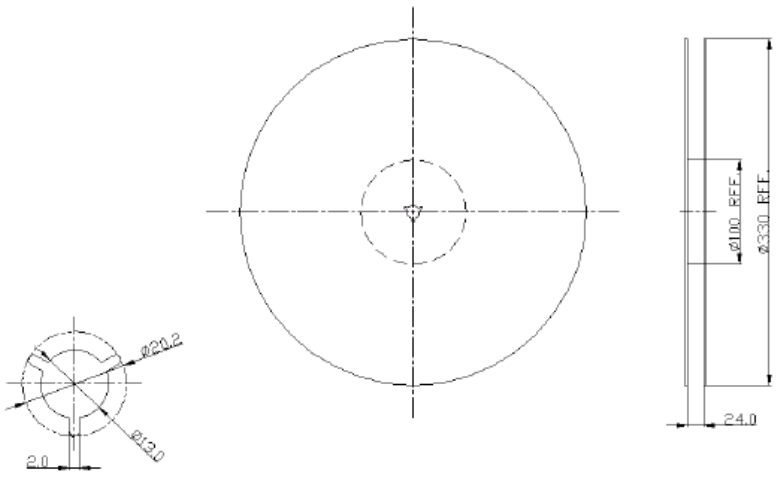
F. PCB FOOTPRINT:



Unit: mm

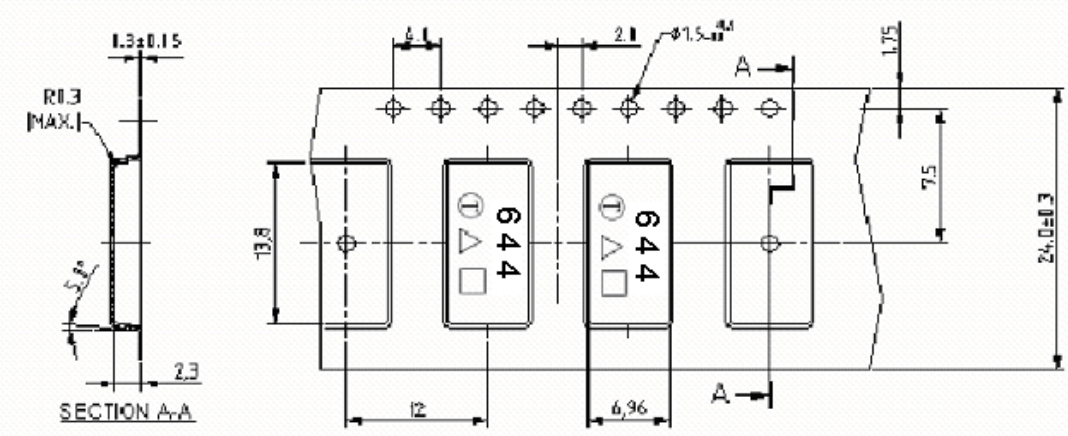
G. PACKING:

1. REEL DIMENSION



Unit: mm

2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :