



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Tao-Yuan, 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: 750MHz IF SAW Filter (BW=90MHz)

TST Parts No.: TB0678A

Customer Parts No.: _____

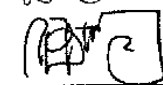
Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: Kazuma Lee 

Approval by: Francis Chen 

Date: 11/26/2008



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

SAW Filter 750MHz SMD 3.8mm X 3.8mm

MODEL NO.: TB0678A

Rev No.2

A. MAXIMUM RATING:

1. Operating Temperature: -25°C to +70°C
2. Storage Temperature: -40°C to +85°C
3. Maximum Input Power : 10dBm
4. Maximum DC Voltage : 5V

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

1. Ambient Temperature: 25 °

Item		Min.	Typical	Max.	
Center frequency	Fc	MHz	-	750	-
Maximum Insertion loss	IL	dB	-	13.4	16.0
Bandwidth at −3.0dB		MHz	90	104	-
Bandwidth at −45dB		MHz	-	129	150
Group Delay Ripple Fc±45 MHz		nS	-	12	80
Absolute Group Delay at Fc		nS	-	259	-
Temp Coefficient		ppm/°C	-	-93	-

C. FREQUENCY CHARACTERISTICS :

1.S21 Response

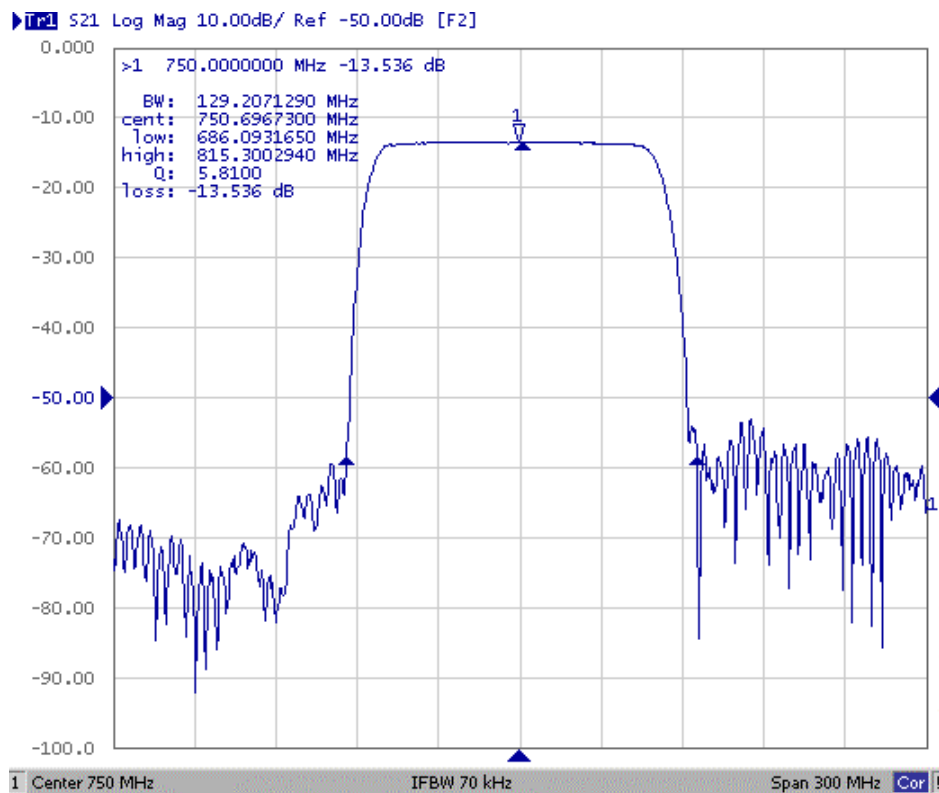


Fig1. Horizontal: 30MHz/Div Vertical: 10dB/Div

2. Passband Ripple & Group delay variation

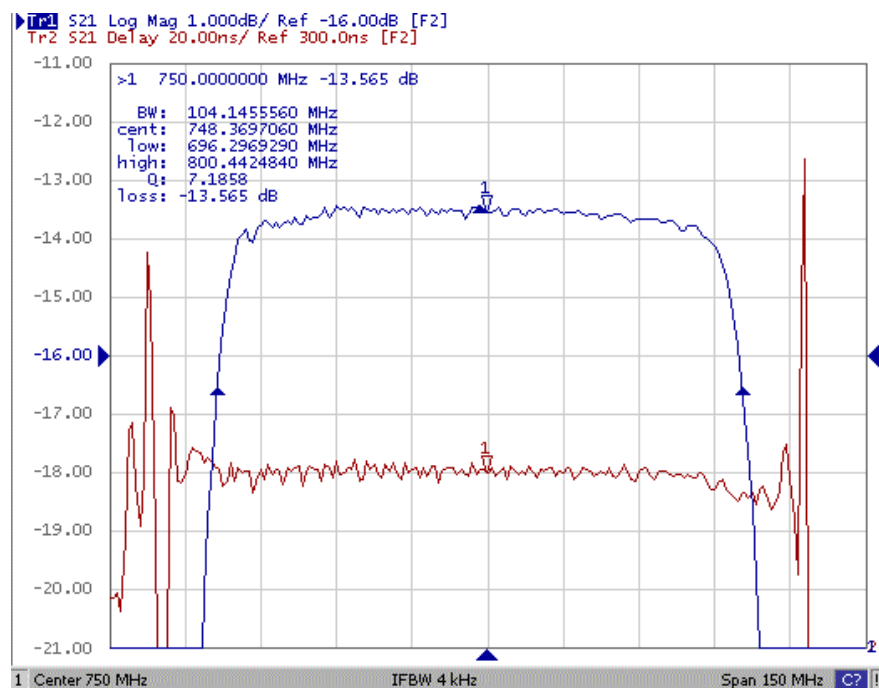
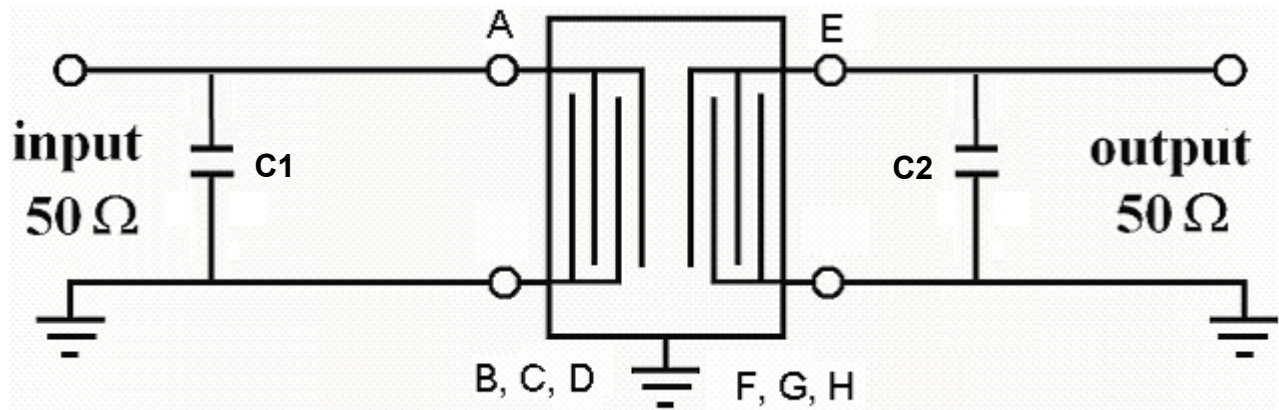


Fig2. Horizontal: 15MHz/Div Vertical: 1dB/Div
Vertical: 20nS/Div

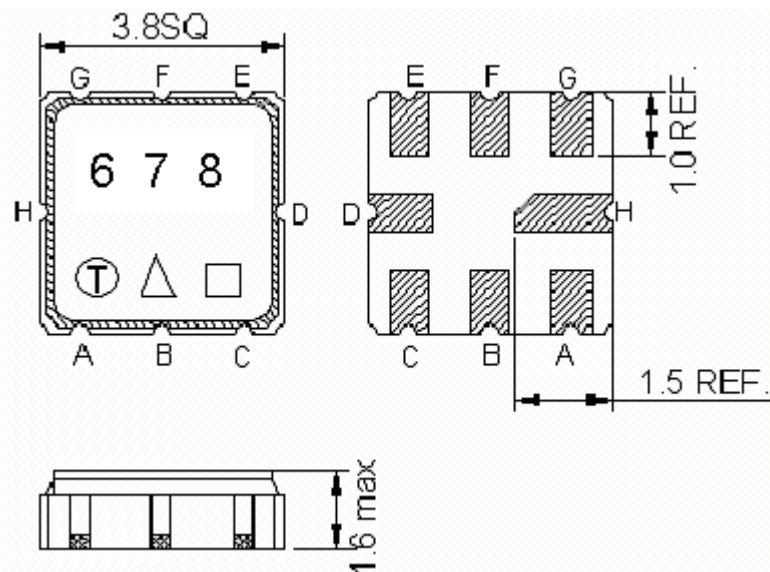
D. MEASUREMENT CIRCUIT:

1. Single ended input 50 ohm to Single ended Output 50 ohm



C1=3.6pF, C2=3.6pF

E. OUTLINE DRAWING:



Pin A – RF input

Pin E – RF output

Pin B, C, D, F, G, H - Ground

Unit: mm

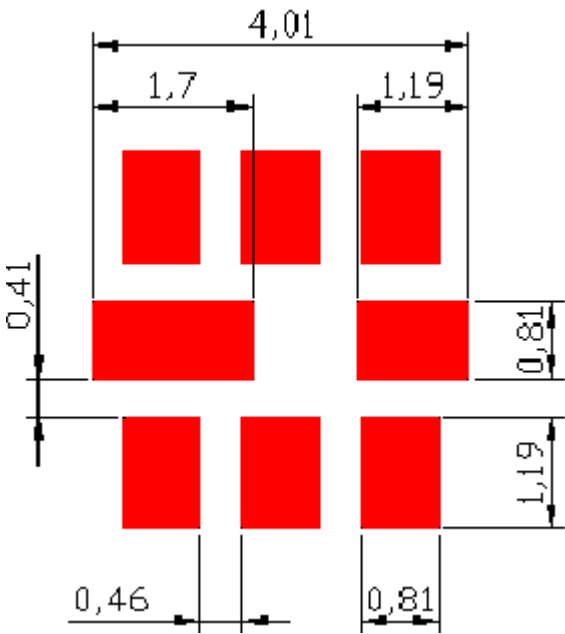
□ : Week Code (Follow the table from planner each year)

△ : Product / Year Code

Year	2005 2009	2006 2010	2007 2011	2008 2012
------	--------------	--------------	--------------	--------------

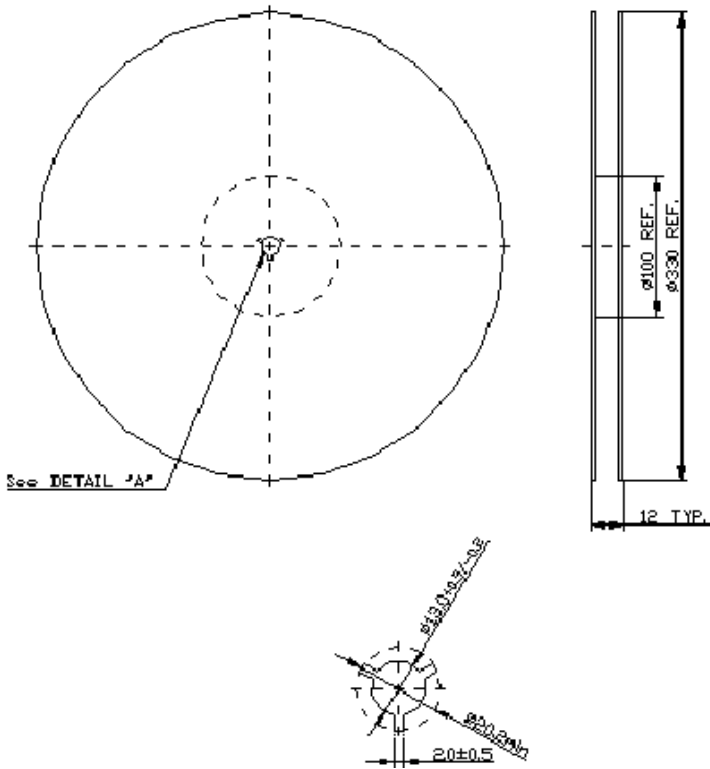
Product Code	B	b	<u>B</u>	<u>b</u>
--------------	---	---	----------	----------

F. PCB Footprint:

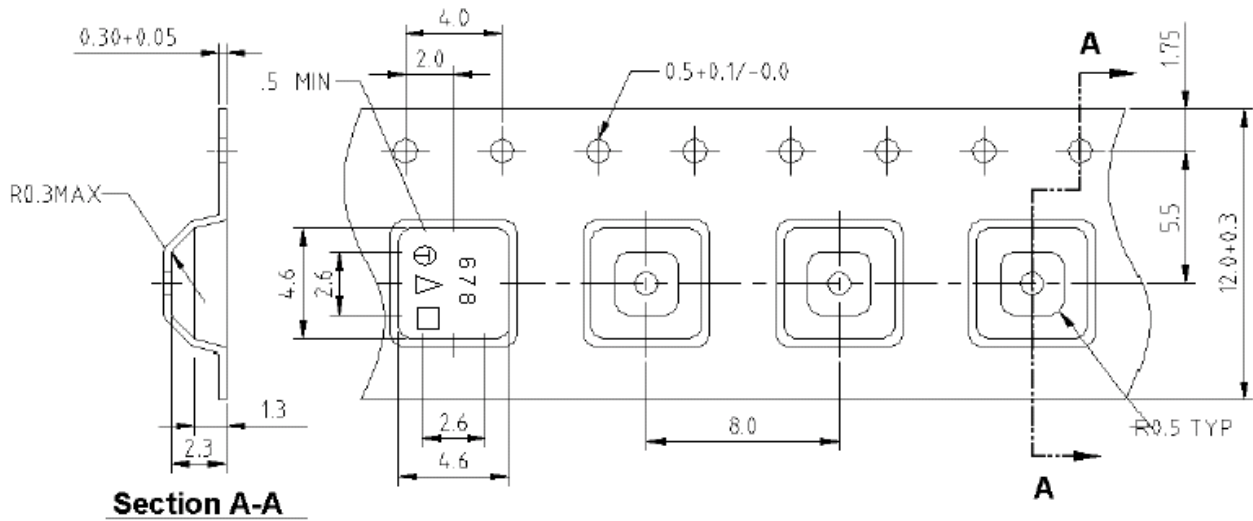


G. PACKING:

1. REEL DIMENSION



Unit: mm



H. RECOMMENDED REFLOW PROFILE_:

