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: 48MHz IF SAW Filter (BW=3.125 MHz)

TST Parts No.: TB0412A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Andy Yu

Approval by: Francis Chen

Date: 2007/05/29

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SAW Filter 48MHz (SMD 13.3×6.5 mm)
Model No.: TB0412A Rev. No.:1.0

A. MAXIMUM RATING:

RoHS Compliant
Lead free
Lead-free soldering

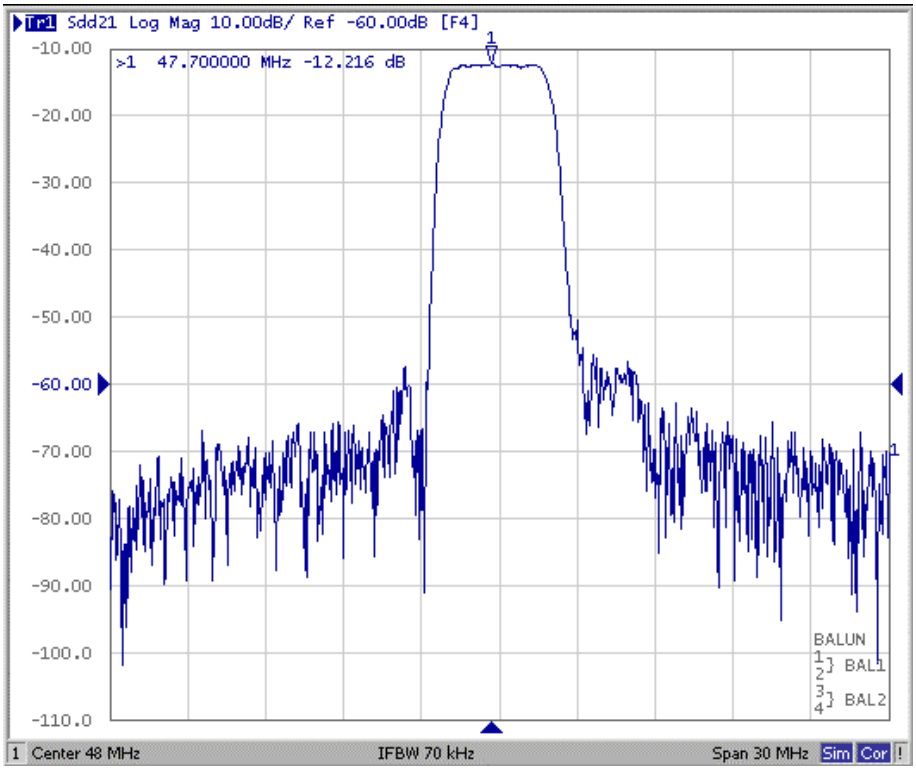
1.Input Power Level: 10 dBm
2. Operating Temperature: -40°C to +85°C
3. Storage Temperature: -40°C to +85°C

B. Characteristics :

Item	Unit	Min.	Type.	Max.
Center frequency, **Fc**	MHz	-	48	-
Insertion Loss, **IL**	dB	-	12.5	16
1 dB Bandwidth	MHz	3.125	3.40	-
3 dB Bandwidth	MHz	3.5	3.90	-
Pass band Ripple **Fc±1.5MHz**	dB	-	0.6	1.0
Group delay Variation **Fc±1.56MHz**		-	135	220
Stopband Rejection				
Fc±1.54MHz	dBc	-	2.6	-
Fc±2.72MHz	dBc	30	35	-
Fc±3.50MHz	dBc	40	45	-
Fc±5.0MHz	dBc	45	47	-

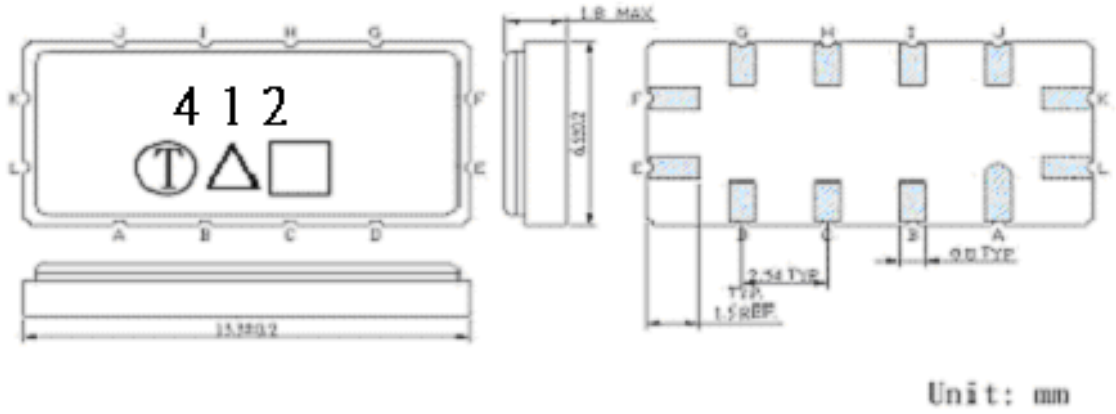
C. Frequency Characteristics :

(1) Frequency Response



(2) Passband response and Group Delay Variation:

D. Outline Drawing:



Pin K=L: RF input

Pin E=F: RF output

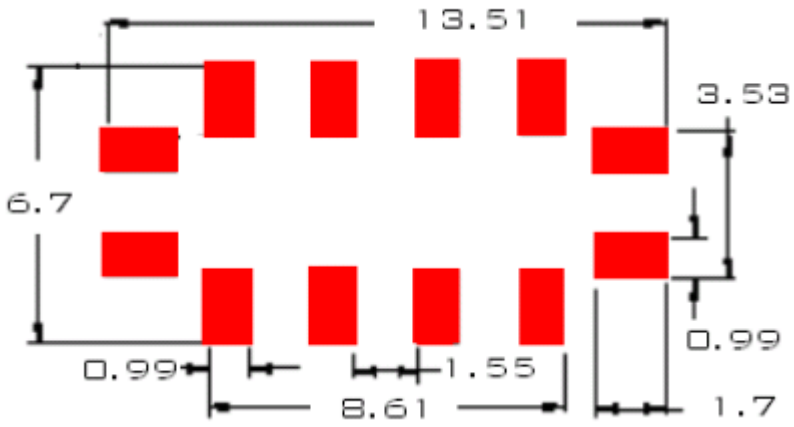
□ : Week Code (Follow the table from planner each year)

Unit : mm

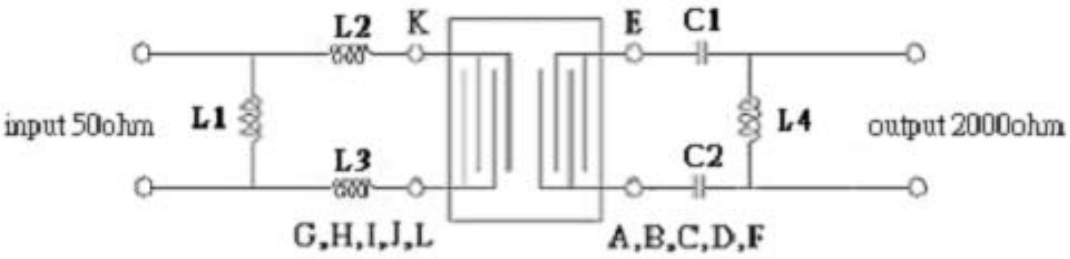
△ : Product / Year Code

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

E. PCB Footprint:



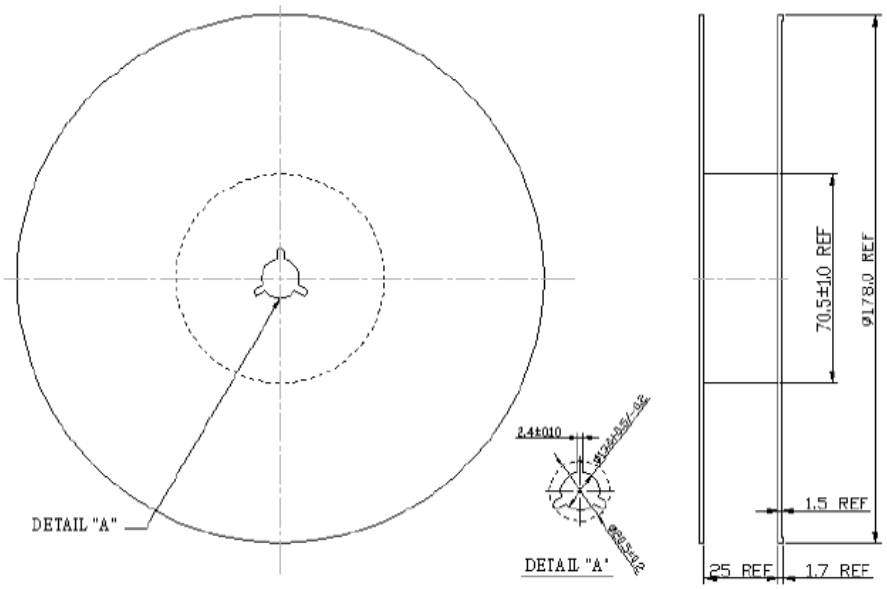
F. Matching Circuit:



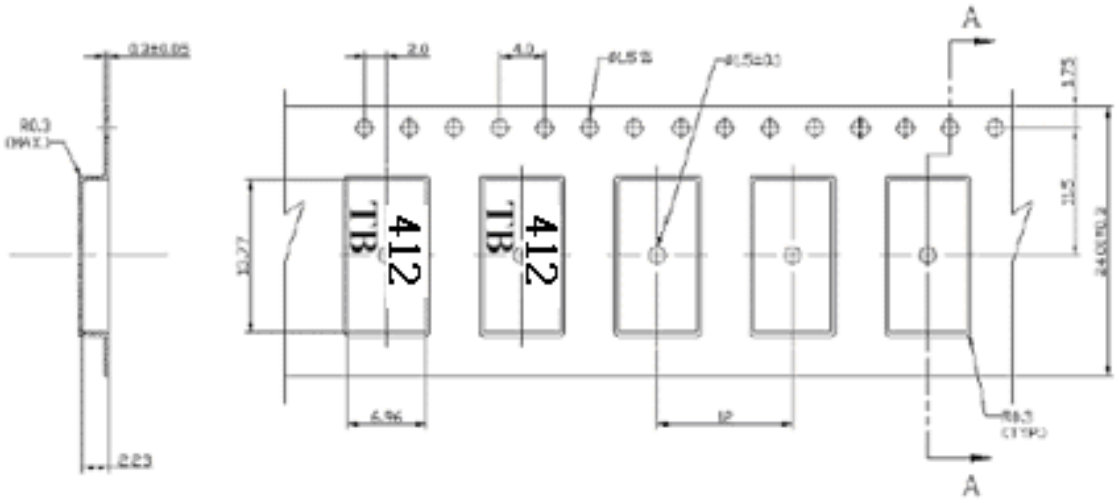
L1=82nH, L2=L3=18nH, L4=750nH, C1=C2=68pF

G. Packing:

(1). REEL DIMENSION:



(2). TYPE DIMENSION:



H. Recommended Reflow Profile: