



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: ttsales@mail.taisaw.com Web: www.taisaw.com

Approval Sheet For Product Specification

Issued Date:

Product Name: IF SAW Filter 175 MHz

TST Parts No.:TB0388A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Andy Lee

Approval by:_____ Francis Chen

Date:_____ 2006/07/10



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

IF SAW Filter 175 MHz SMD 7 X5mm

MODEL NO.: TB0388A

REV. NO.1

A. MAXIMUM RATING:

1. Operating Temperature: -20 °C ~ 70 °C
2. Storage Temperature: -40 °C ~ +85 °C
3. Input Power Level: -10dBm

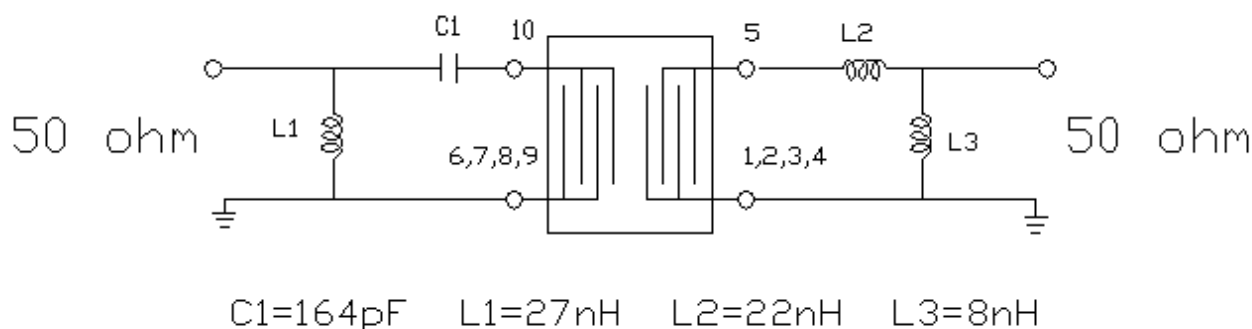
RoHS Compliant
Lead free
Lead-free soldering

B. Characteristics :

1. Ambient Temperature: 25 °C

Characteristics		Value			Note
		Min.	Typ.	Max.	
Center frequency F_C	MHz	174.35	175.0	175.65	-
Minimum Insertion loss I.L.	dB	-	10.2	13.0	-
Passband ripple ($F_C \pm 16\text{MHz}$)	dB	-	0.6	1.0	-
Group Delay Ripple ($F_C \pm 16\text{MHz}$)	nS	-	40	100	-
1 dB Bandwidth	MHz	37.0	41.2		-
3 dB Bandwidth	MHz	-	43.4	-	-
40 dB Bandwidth	MHz	-	53.2	70.0	-
Attenuation:(Reference level from minimum insertion loss)					dB
1) 100MHz~132.5MHz	dB	45	50	-	-
2) 287.5 MHz ~ 375 MHz	dB	40	45	-	-
Temp Coefficient	ppm/K	-	-94	-	-

C. Measurement Circuit:



D. Frequency Characteristics :

1. S21 Response

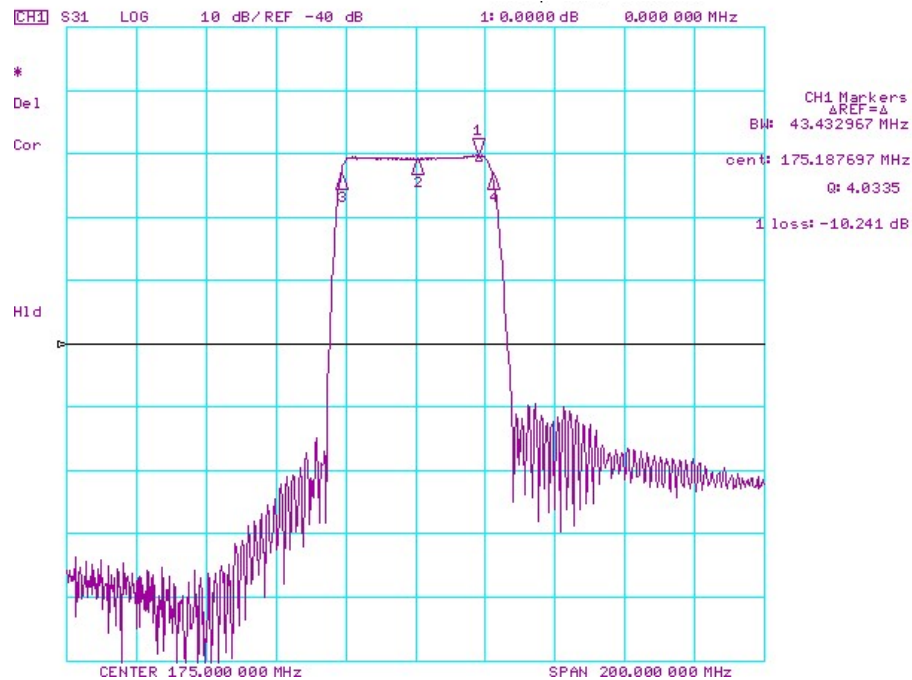


Fig1. Horizontal: 20MHz/Div Vertical: 10dB/Div

2. S21 Response (Group delay ripple of Passband)

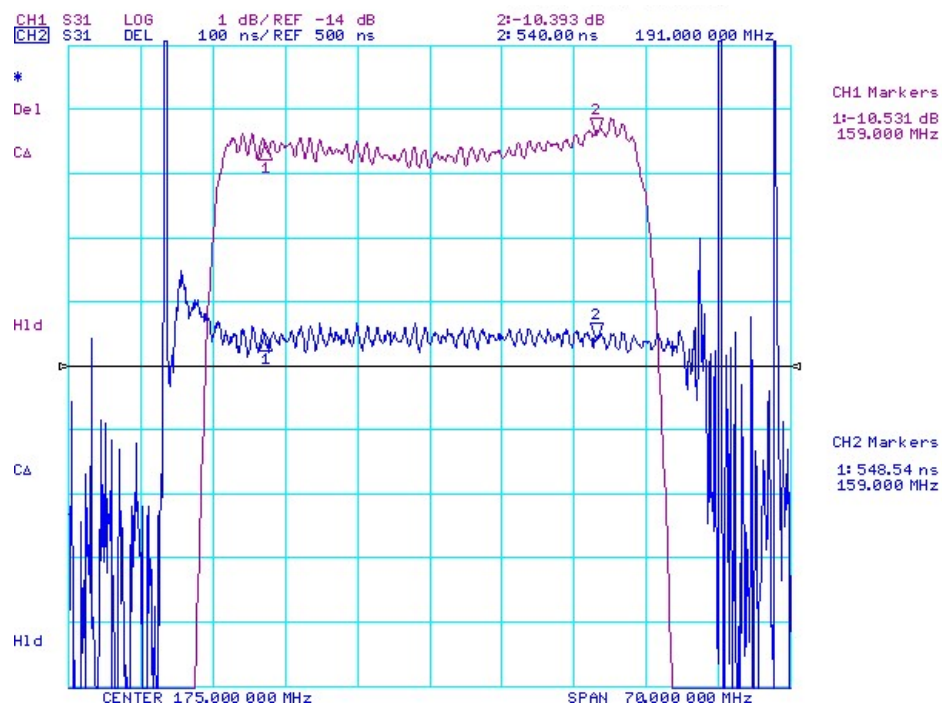
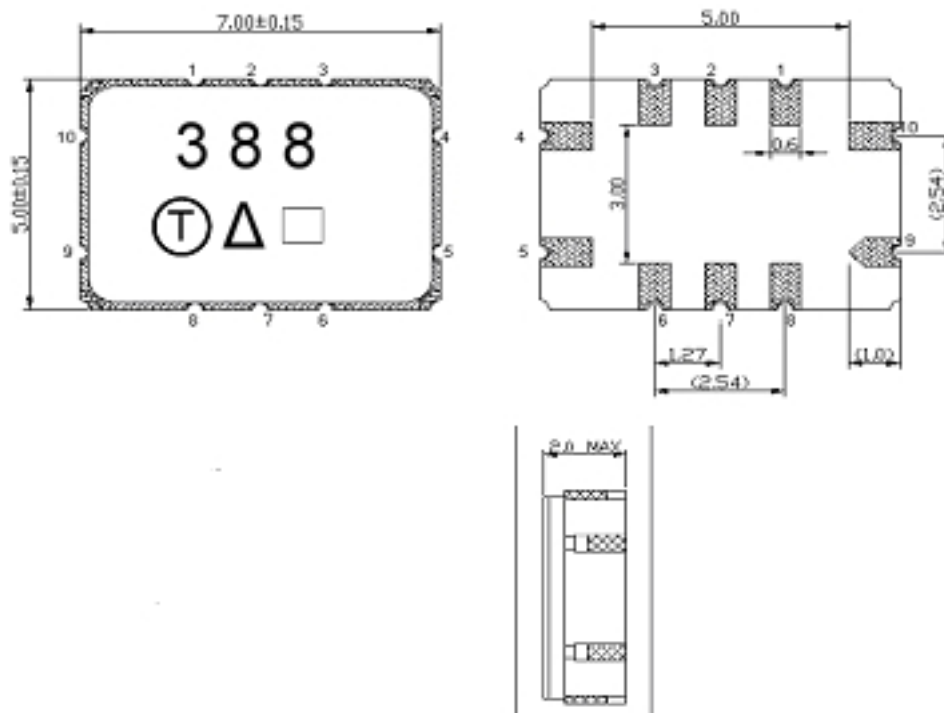


Fig2. Horizontal: 7MHz/Div; Vertical: 1dB/Div,

E. Outline Drawing:



Pin 10: RF Input

Pin 5: RF Output

Pin 1,2,3,4,6,7,8,9 : To be Ground

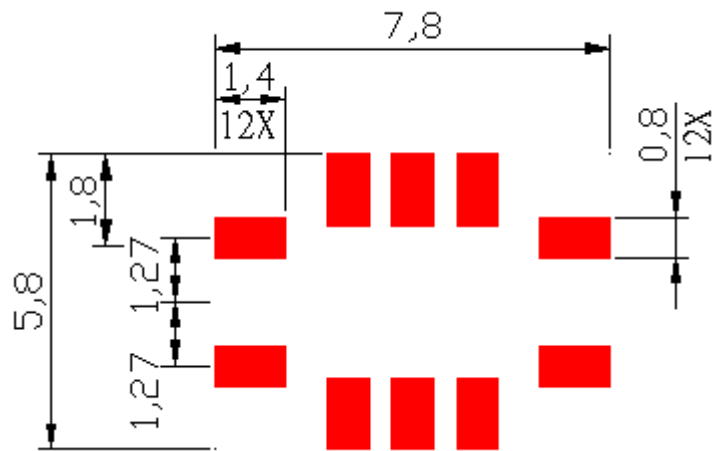
□: Date code

Unit: mm

△ : Product / Year Code

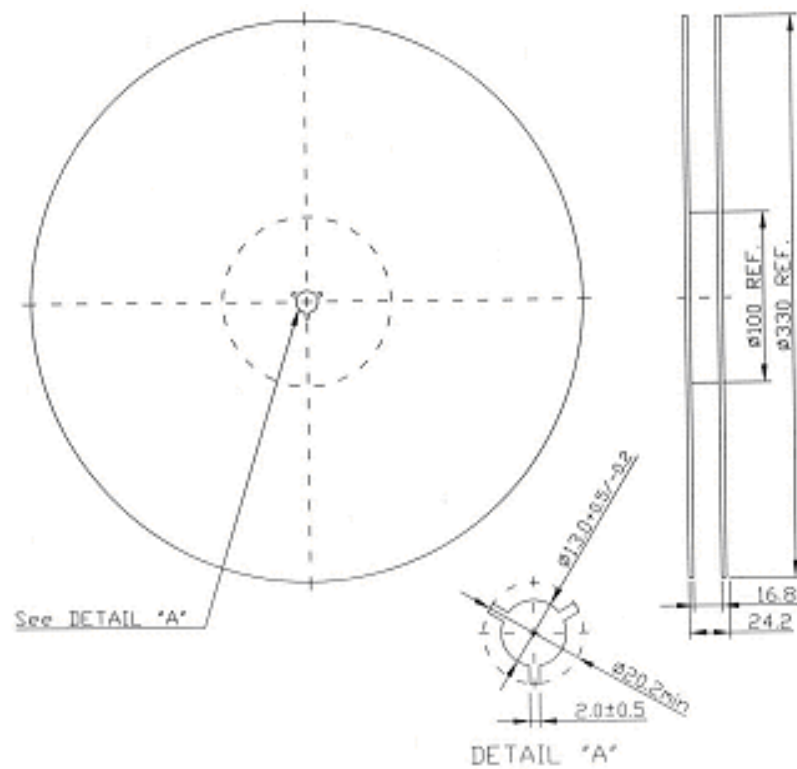
Year	2005 2009	2006 2010	2007 2011	2008 2012
Product Code	B	b	<u>B</u>	<u>b</u>

F. PCB FOOTPRINT:



G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

