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: Mar, 16, 2009

Product Name: SAW Filter 83.16 MHz SMD 11.4X5.0 mm

TST Parts No.: TB0586A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Bob Chau

Approval by:_____ Francis Chen

Date:_____ 3, 16, 2009

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SAW Filter 83.16MHz

MODEL NO.:TB0586A REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 5V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -40°C to +85°C

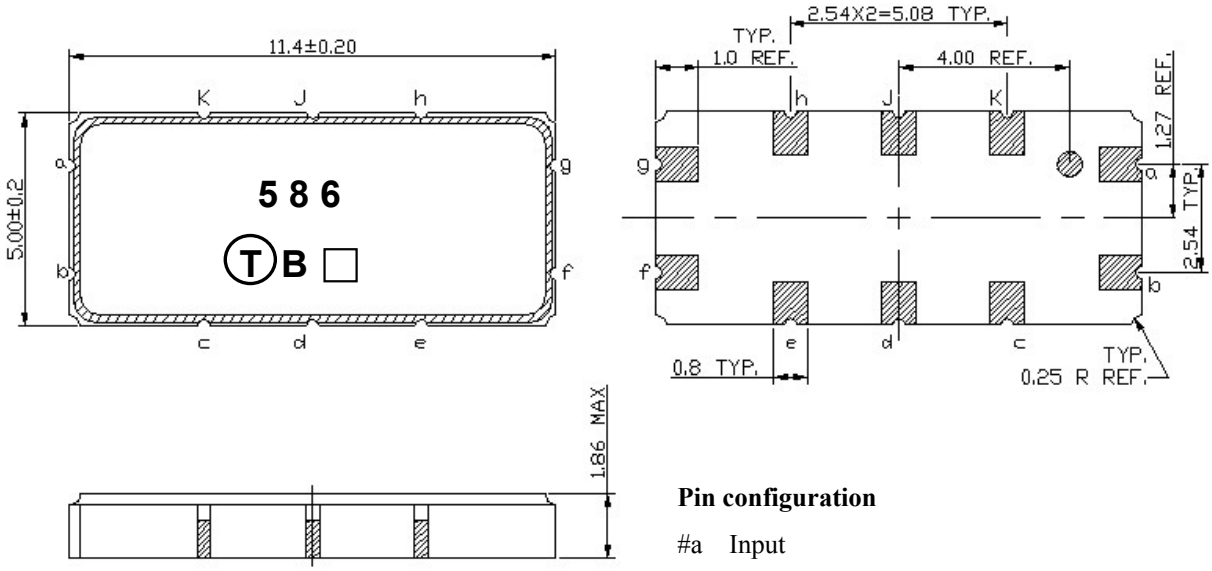
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS: (Ambient temperature : 25℃)

Item	Unit	Min.	Type.	Max.	Note
Center frequency, **Fc**	MHz	-	83.16	-	-
Minimum Insertion loss **IL**	dB	-	2.9	5.0	-
Pass band ripple **Fc**±15 kHz	dB	-	0.5	1.5	-
Group Delay Variation **Fc**±15 kHz	μs	-	4	10	-
Relative Attenuation (relative to 0 dB)					
Fc-1000 kHz ~ **Fc**- 120 kHz	dB	40	50	-	-
Fc- 120 kHz ~ **Fc**- 60 kHz	dB	17	28	-	-
Fc+ 60 kHz ~ **Fc**+ 120 kHz	dB	17	28	-	-
Fc+ 120 kHz ~ **Fc**+1000 kHz	dB	40	56	-	-
Temperature coefficient of frequency **TCf**		-0.033 ppm/C^2			

Note1. Considering -6 KHz frequency shift from –20℃ to +70℃

C.OUTLINE DRAWING:



Pin configuration

#a Input

#b Input RF-Return

#f Output

#g Output RF-Return

#c,d,e,h,j,k To be grounded

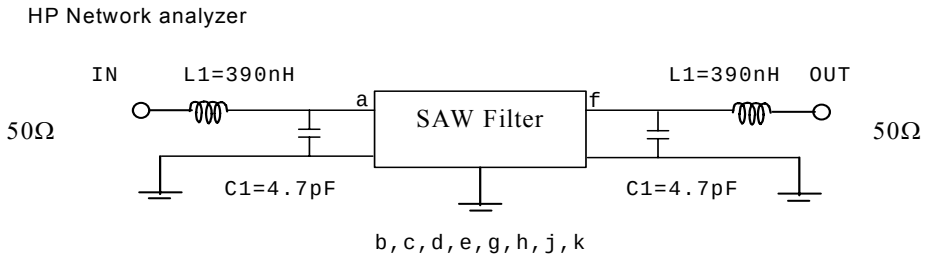
□ Date code(Follow the table from planner each year)

Unit mm

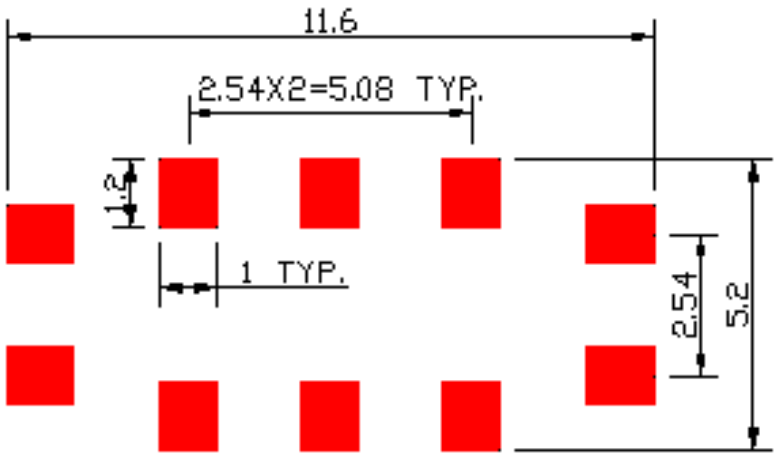
Product Year Code

Year	2001 2005	2002 2006	2003 2007	2004 2008
Product Code	B	b	B	b

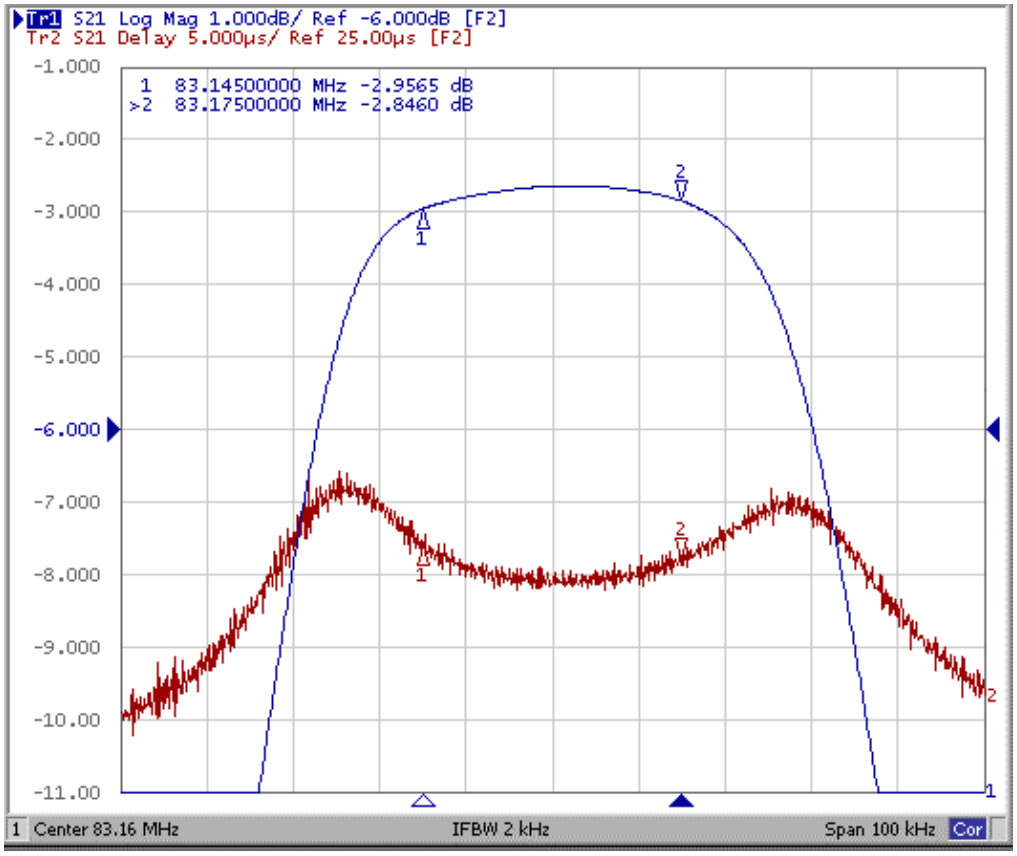
D. MEASUREMENT CIRCUIT:
50 Ohm Test circuit (single-ended / single-ended)

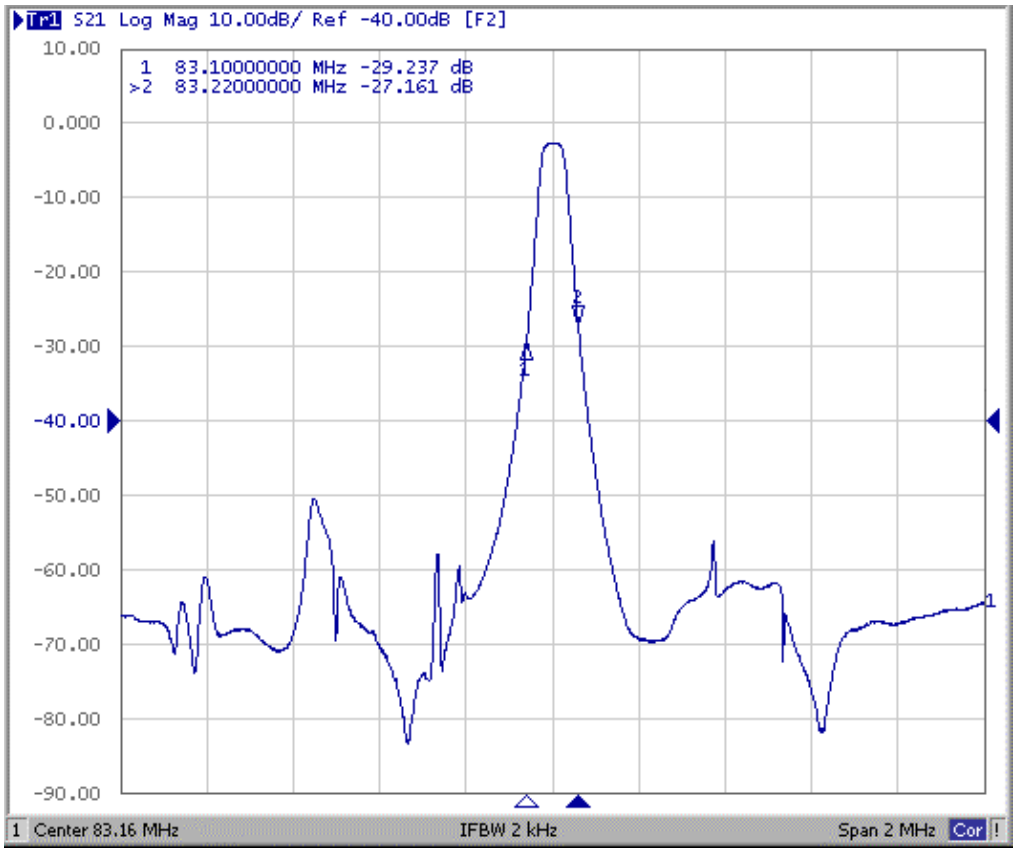


E. PCB Footprint:



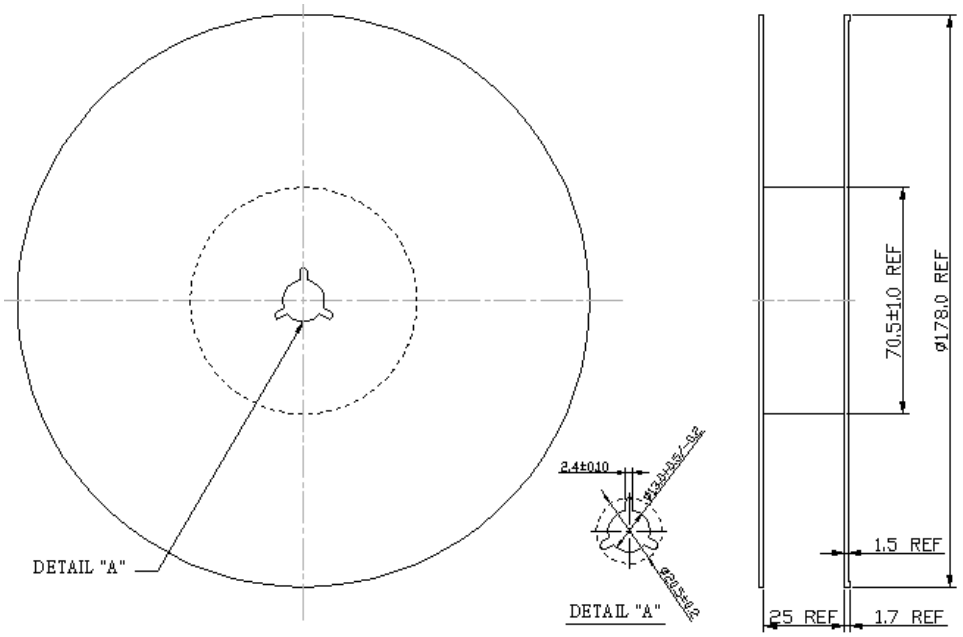
F. Frequency Characteristics :



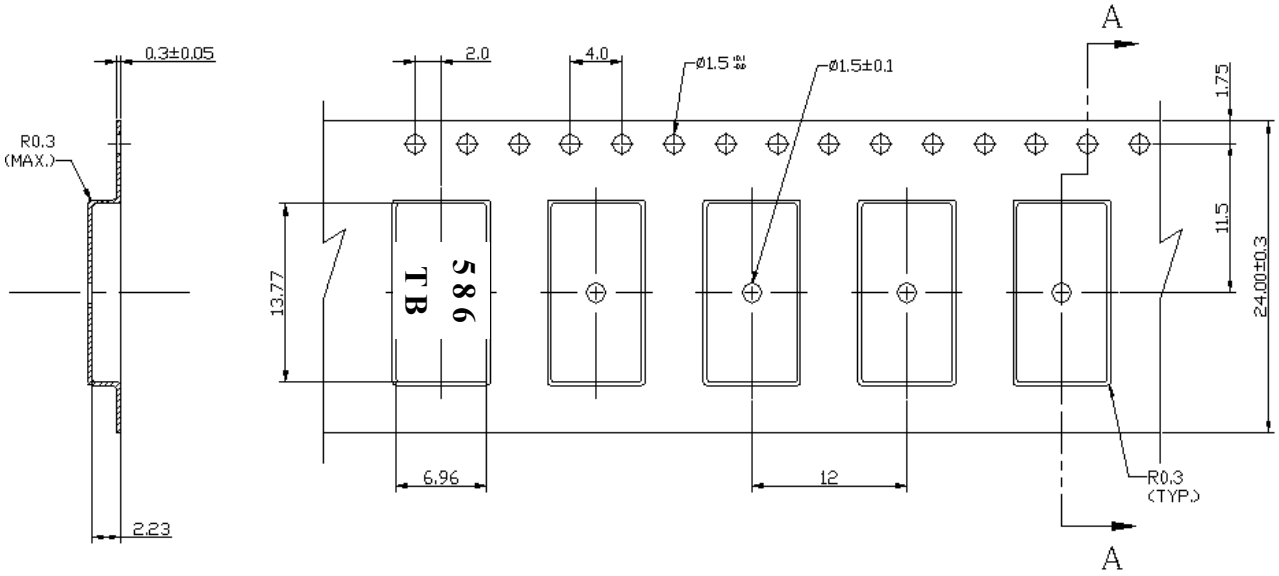


G. PACKING:

1. REEL DIMENSION



2.TAPE DIMENSION



Direction of Feed

H. RECOMMENDED REFLOW PROFILE :