



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Approval Sheet For Product Specification

Issued Date: Sep, 15, 2006

Product Name: SAW Filter 86.46 MHz SMD 11.4X5.0 mm

TST Parts No.: TB0407A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Bob Chau

Approval by: _____ Francis Chen

Date: _____ 9, 15, 2006



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SAW Filter 86.46MHz

MODEL NO.:TB0407A

REV. NO.:1

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

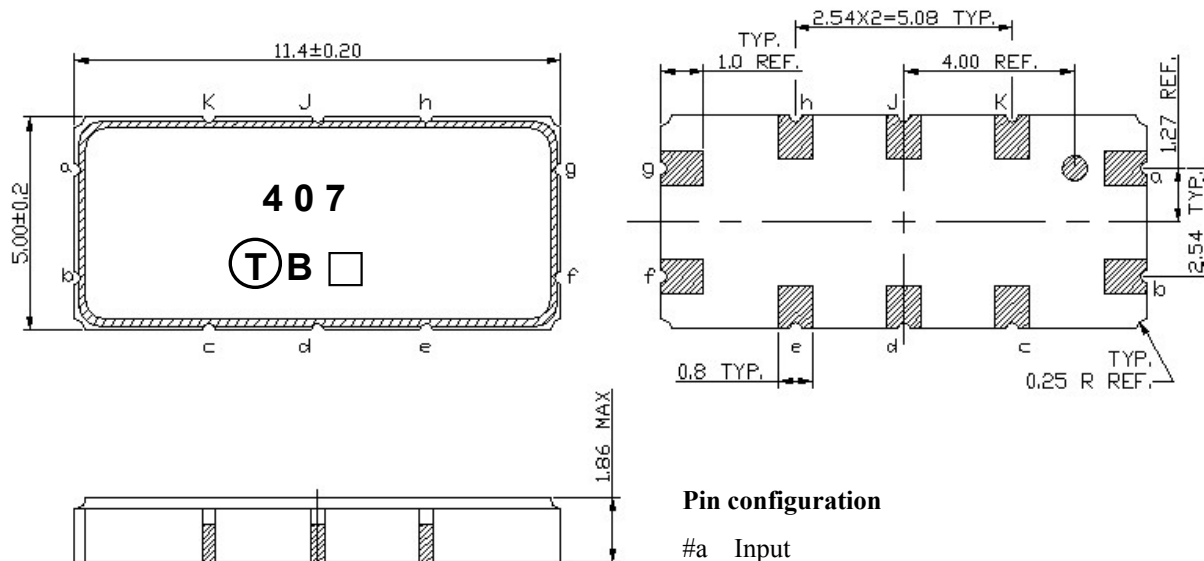
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center frequency, Fc	MHz	-	86.46	-	-
Minimum Insertion loss IL	dB	-	2.8	5.0	-
Pass band ripple Fc ±13 kHz	dB	-	0.1	2	-
Group Delay Variation Fc ±11 kHz	μs	-	3	10	-
Relative Attenuation (relative to 0 dB)					
Fc ± 14 kHz	dB	-	0.2	3	-
Fc -1000 kHz ~ Fc - 880 kHz	dB	50	60	-	-
Fc - 880 kHz ~ Fc - 120 kHz	dB	40	55	-	-
Fc - 120 kHz ~ Fc - 60 kHz	dB	15	26	-	-
Fc + 60 kHz ~ Fc + 120 kHz	dB	15	26	-	-
Fc + 120 kHz ~ Fc +1000 kHz	dB	40	55	-	-
Temperature coefficient of frequency TCf	-0.032 ppm/C ²				

Note1. Considering -6 KHz frequency shift from -20°C to +70°C

C.OUTLINE DRAWING:



Pin configuration

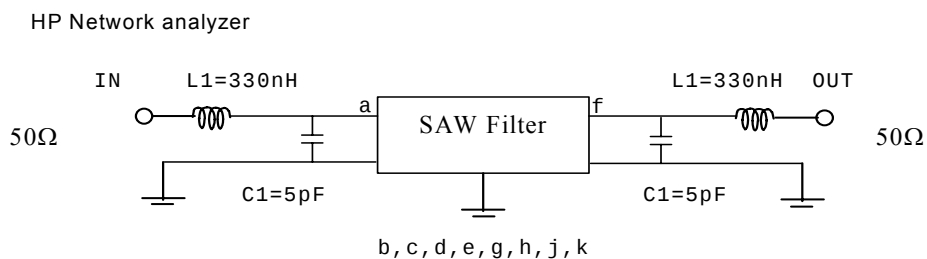
- #a Input
- #b Input RF-Return
- #f Output
- #g Output RF-Return
- #c, #d, #e, #h, #j, #k To be grounded
- Date code(Follow the table from planner each year)
- Unit mm

Product Year Code

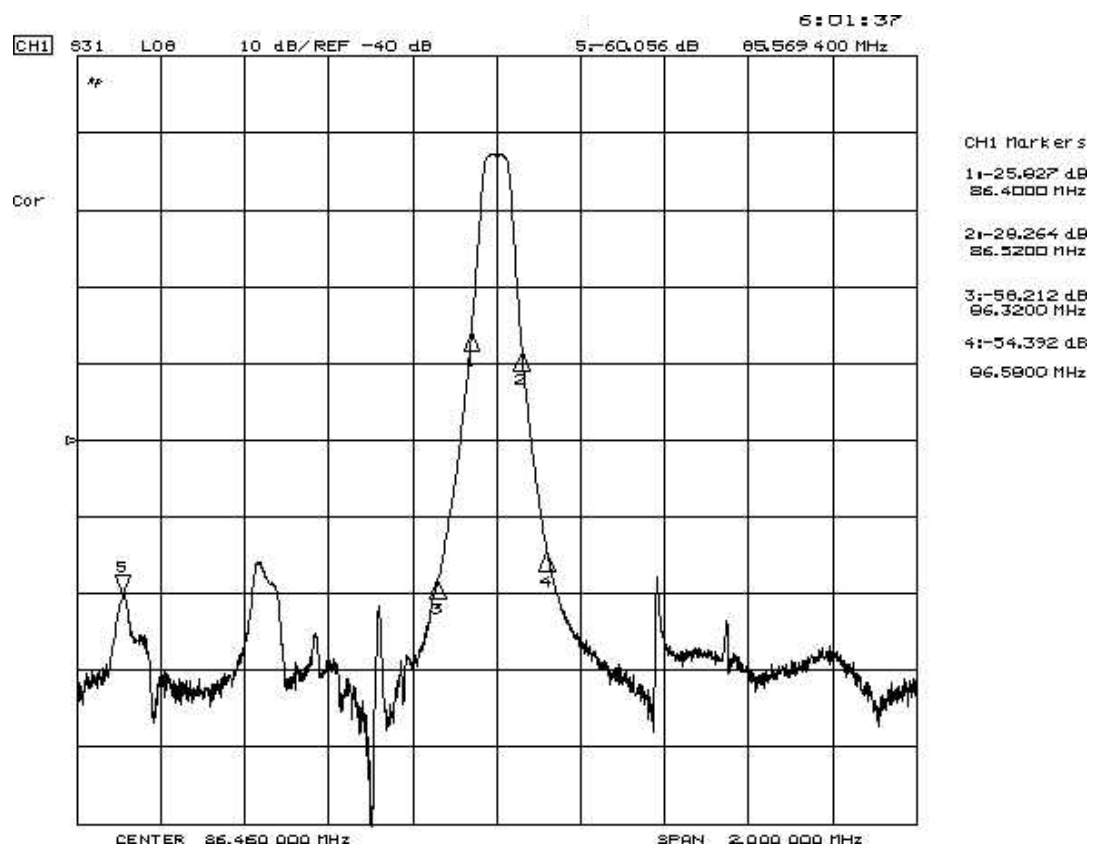
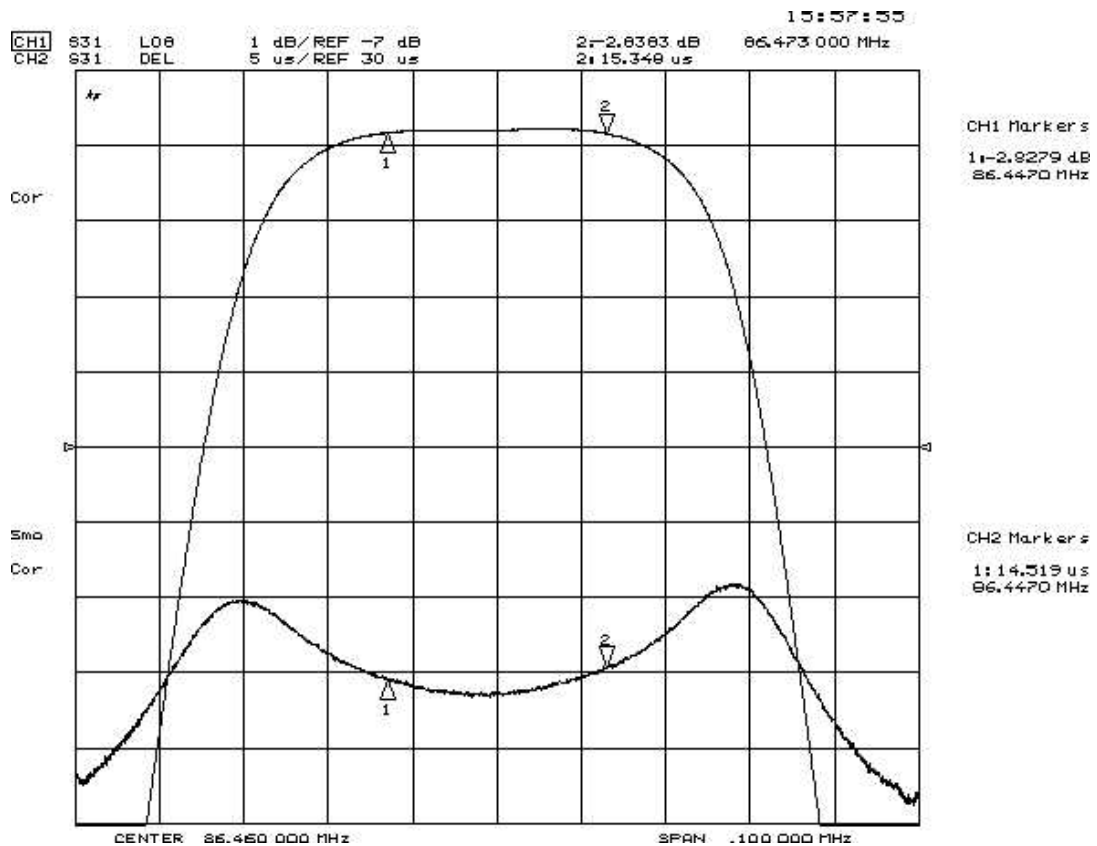
Year	2001 2005	2002 2006	2003 2007	2004 2008
Product Code	B	b	<u>B</u>	<u>b</u>

D. MEASUREMENT CIRCUIT:

50 Ohm Test circuit (single-ended / single-ended)

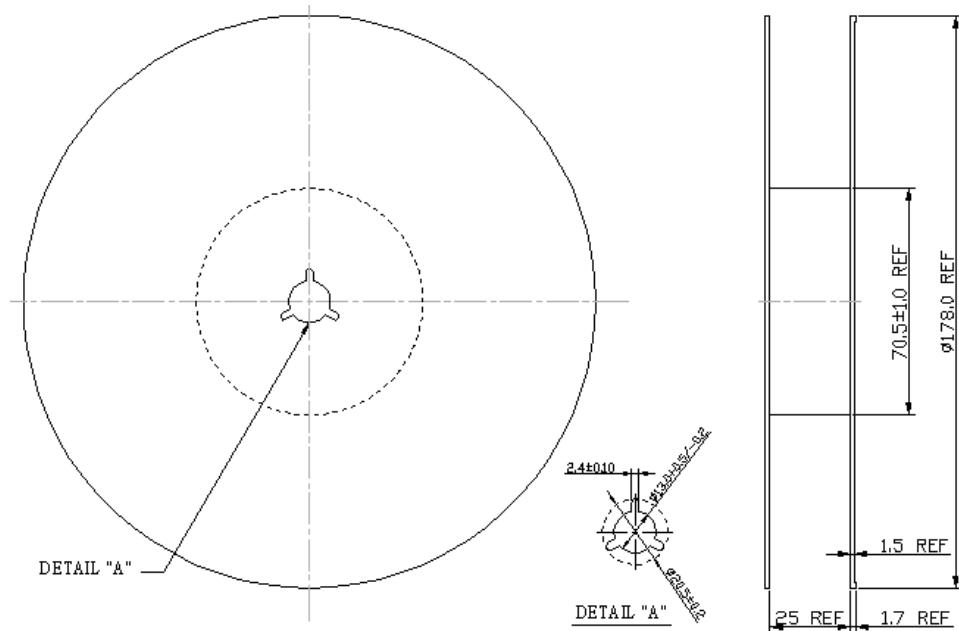


E. Frequency Characteristics :

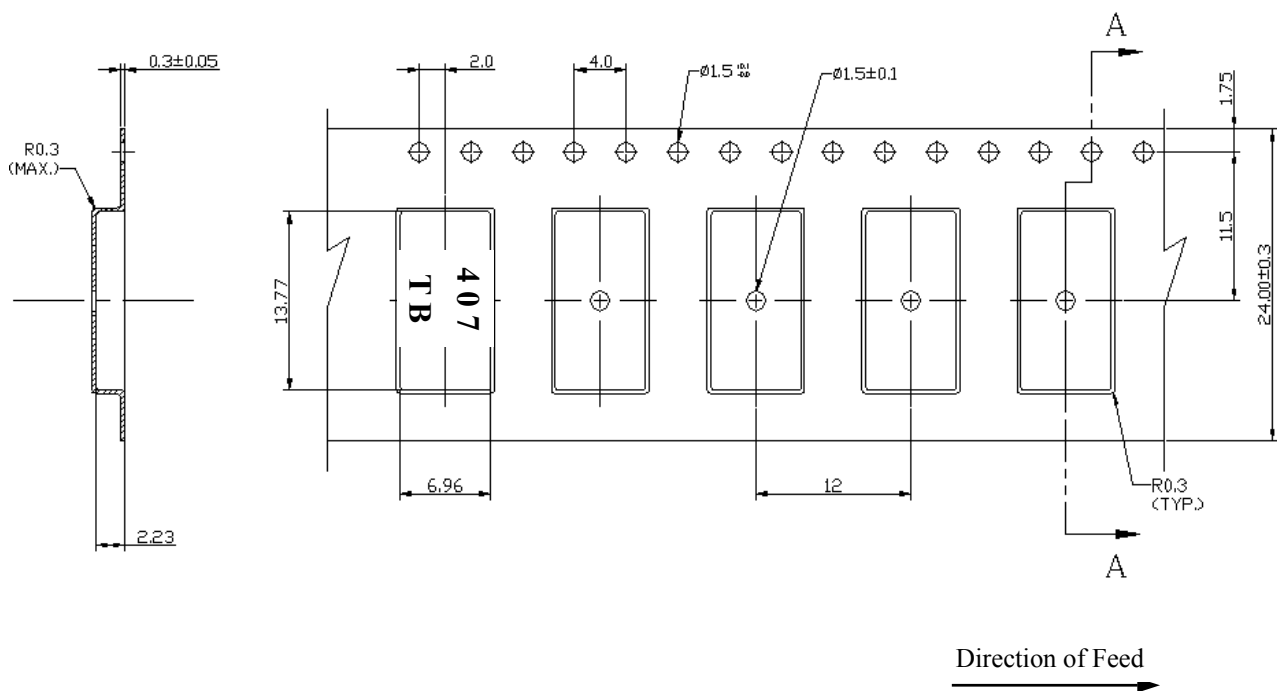


F. PACKING:

1. REEL DIMENSION



2.TAPE DIMENSION



G. RECOMMENDED REFLOW PROFILE :

