



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: Feb, 4, 2005

Product Name: SAW Filter 163 MHz SMD 5.0x7.0 mm

TST Parts No.:TB0276A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Bob Chau

Approval by:_____ Francis Chen

Date:_____ Feb, 4, 2005



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SAW Filter 163MHz

MODEL NO.:TB0276A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 5V
3. Operating Temperature: -30°C to 65°C
4. Storage Temperature: -40°C to 85°C

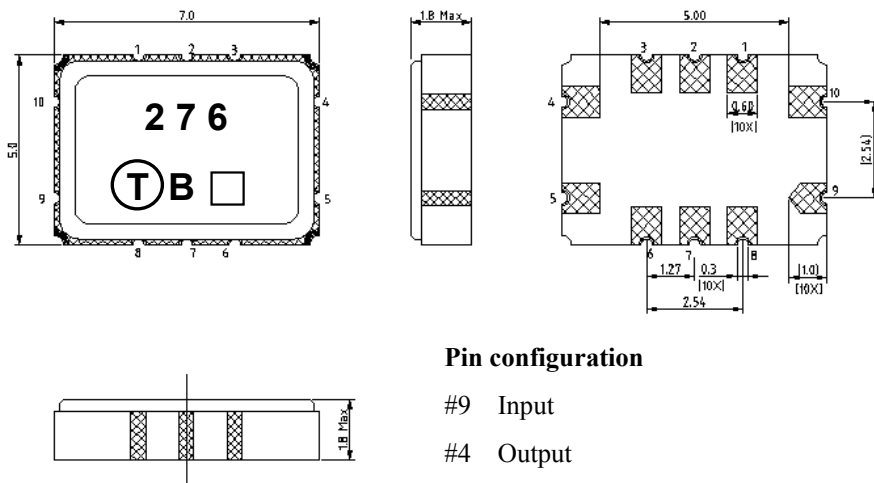
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS: (operating temperature : 25°C)

Item	Unit	Min.	Type.	Max.	Note
Center frequency, Fc	MHz	-	163	-	1
Minimum Insertion Loss, (Fc ±12.5KHz) IL	dB	-	3.4	6.0	1
Passband Ripple (Fc ±12.5KHz)	dB	-	0.1	1.0	1
Group delay ripple (Fc ±12.5KHz), GD	μs	-	0.4	2.5	1
Attenuation:(Reference level from Min IL)					
Fc - 10 ~ Fc - 2 MHz	dB	55	65	-	-
Fc - 2 ~ Fc - 1 MHz	dB	50	70	-	-
Fc - 1 ~ Fc - 0.35 MHz	dB	40	57	-	-
Fc - 0.35 ~ Fc - 0.1 MHz	dB	8	21	-	-
Fc + 0.1 ~ Fc + 0.35 MHz	dB	8	21	-	-
Fc + 0.35 ~ Fc + 1 MHz	dB	40	57	-	-
Fc + 1 ~ Fc + 2 MHz	dB	50	70	-	-
Fc + 2 ~ Fc + 10 MHz	dB	55	60	-	-

Note1. Considering -13 KHz frequency shift from -30°C to +65°C

C.OUTLINE DRAWING:



Pin configuration

#9 Input

#4 Output

#10 Balance input or input ground

#5 Balance output or output ground

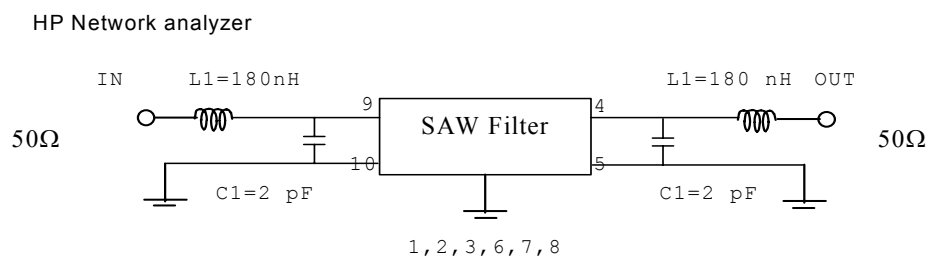
#1,2,3,6,7,8 To be grounded

□ Date code

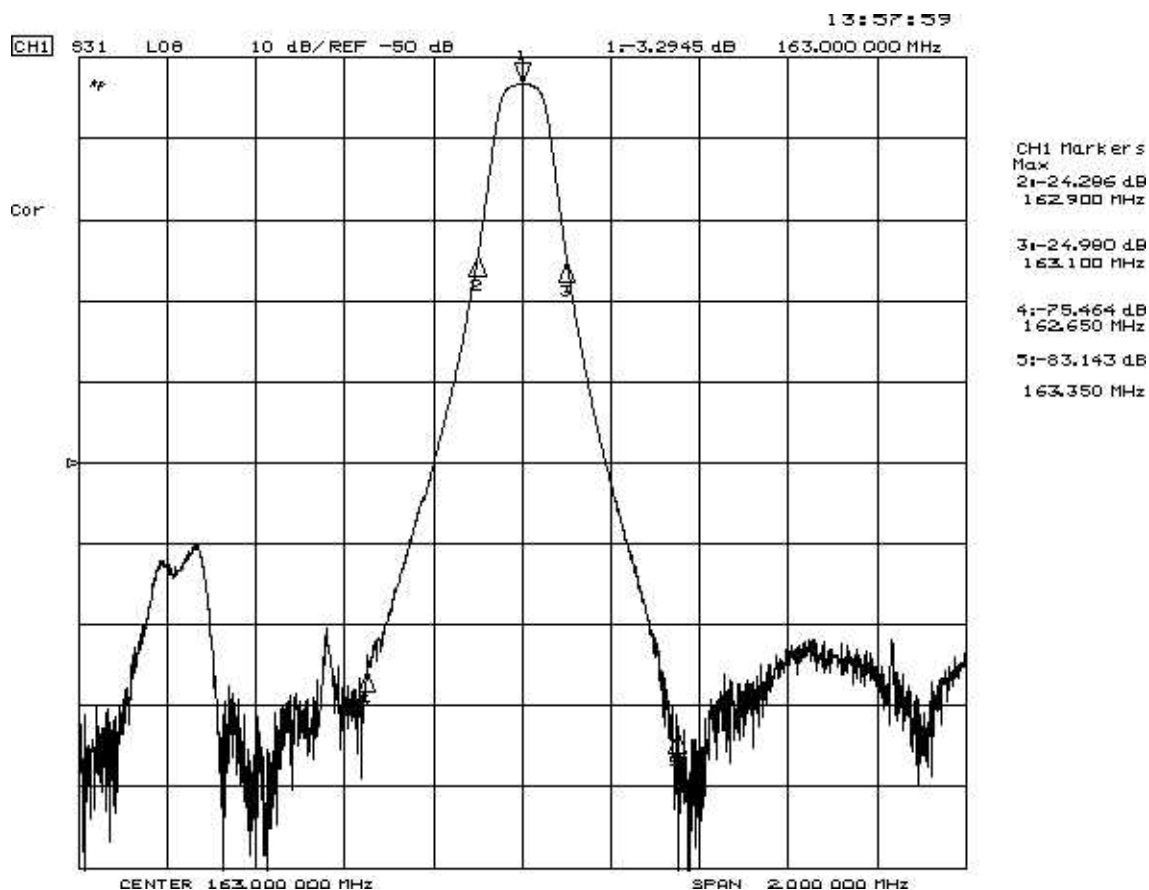
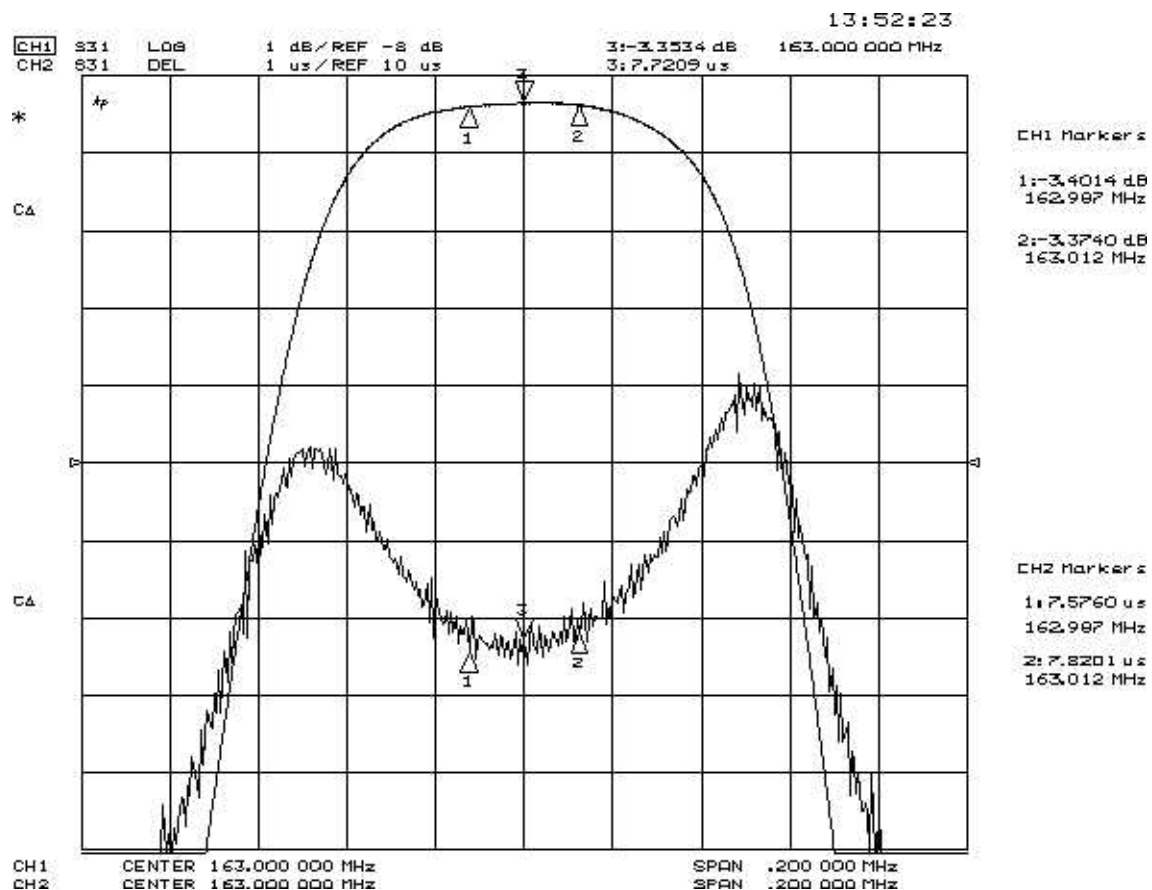
Unit mm

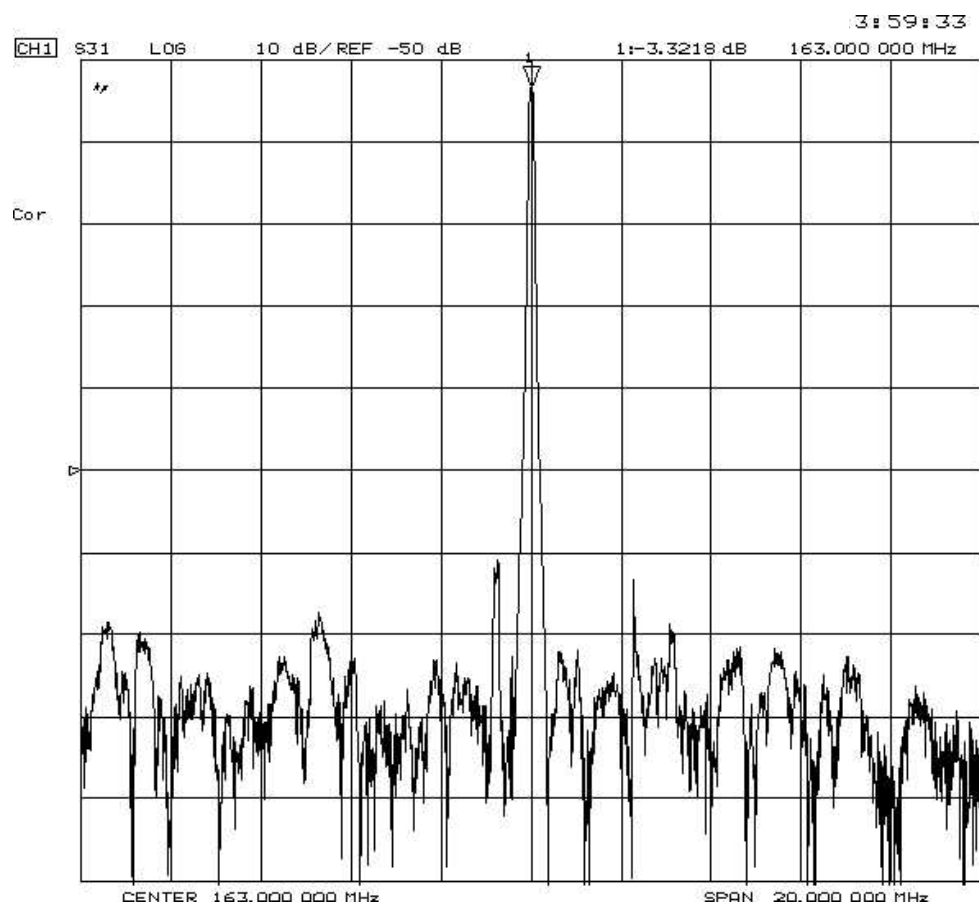
D. MEASUREMENT CIRCUIT:

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

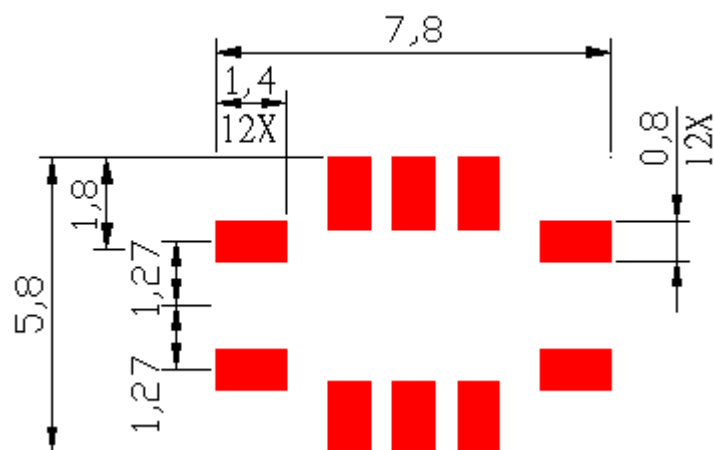


E. Frequency Characteristics :



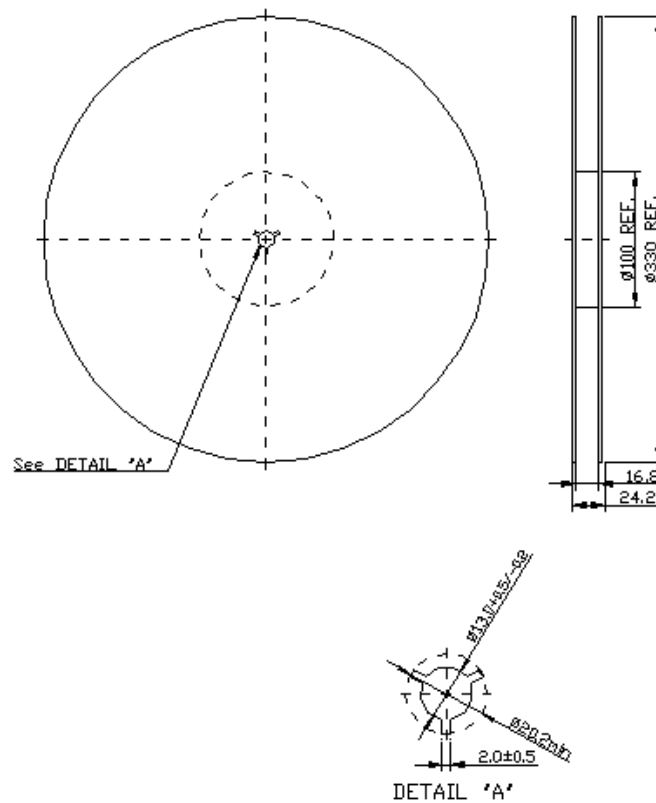


F. PCB Footprint:



G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

