



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: Oct, 5, 2006

Product Name: SAW Filter 245.5 MHz SMD 5.0x7.0 mm

TST Parts No.:TB0430A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Bob Chau

Approval by:_____ Francis Chen

Date:_____ 10, 5, 2006



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SAW Filter 245.5MHz

MODEL NO.:TB0430A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 5V
3. Operating Temperature: -20°C to 60°C
4. Storage Temperature: -40°C to 85°C

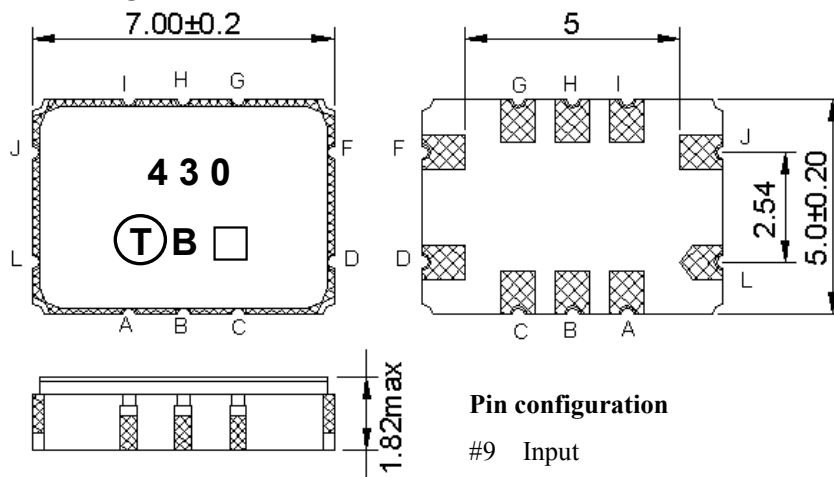
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center frequency, Fc	MHz	-	245.5	-	1
Minimum Insertion Loss, (Fc ±50KHz) IL	dB	-	4.1	6.5	1
Passband Ripple (Fc ±50KHz)	dB	-	0.35	2.0	1
Group delay ripple (Fc ±50KHz), GD	μs	-	1.0	3.0	1
Attenuation:(Reference level from Min IL)					
Fc – 25 to Fc – 1.6 MHz	dB	50	65	-	-
Fc – 1.6 to Fc – 0.6 MHz	dB	32	60	-	-
Fc – 0.6 to Fc – 0.4 MHz	dB	20	55	-	-
Fc + 0.4 to Fc + 0.6 MHz	dB	20	55	-	-
Fc + 0.6 to Fc + 1.6 MHz	dB	32	60	-	-
Fc + 1.6 to Fc + 25 MHz	dB	50	60	-	-

Note1. The standard definitions is in JIS C 6703

C.OUTLINE DRAWING:

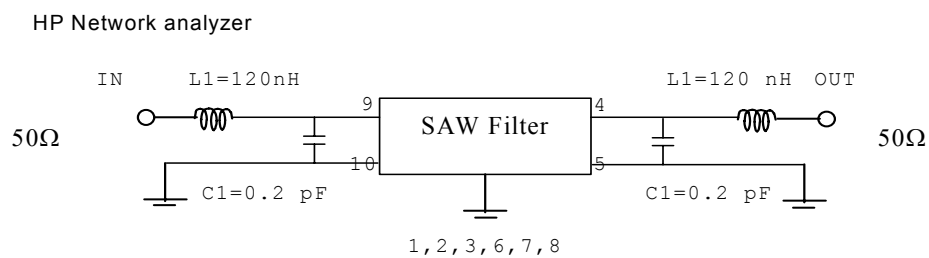


Pin configuration

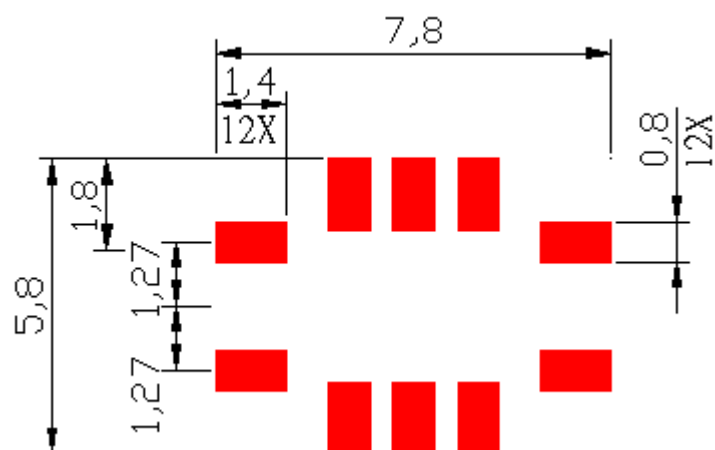
- #9 Input
- #4 Output
- #10 Balance input or input ground
- #5 Balance output or output ground
- #1,2,3,6,7,8 To be grounded
- Date code
- Unit mm

D. MEASUREMENT CIRCUIT:

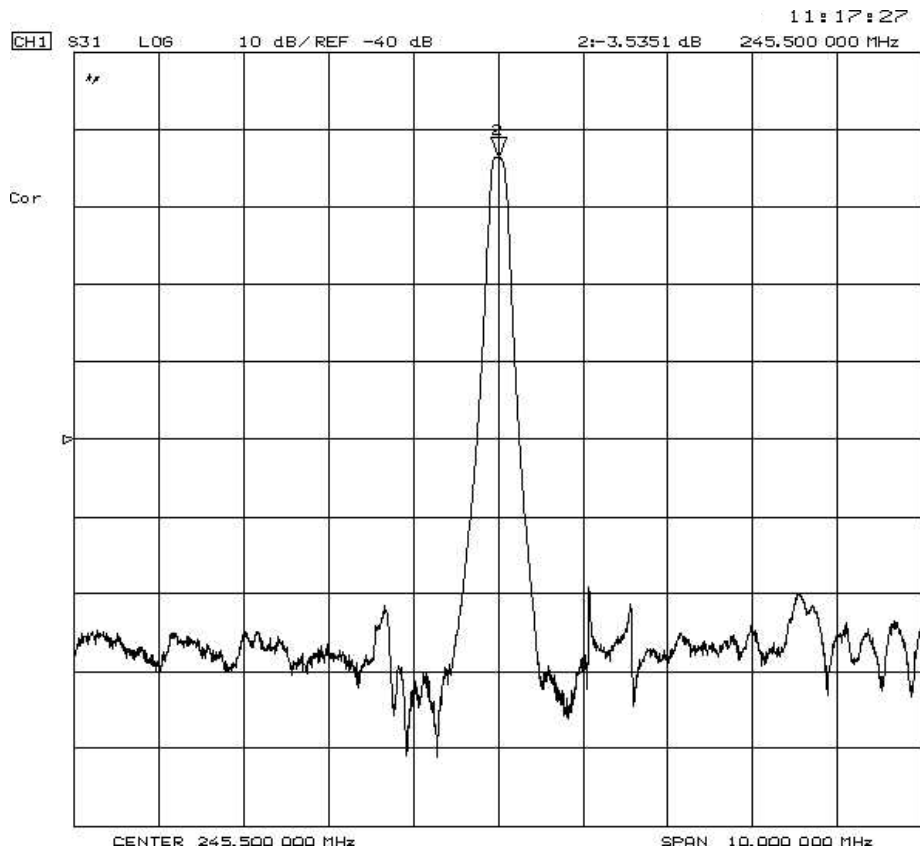
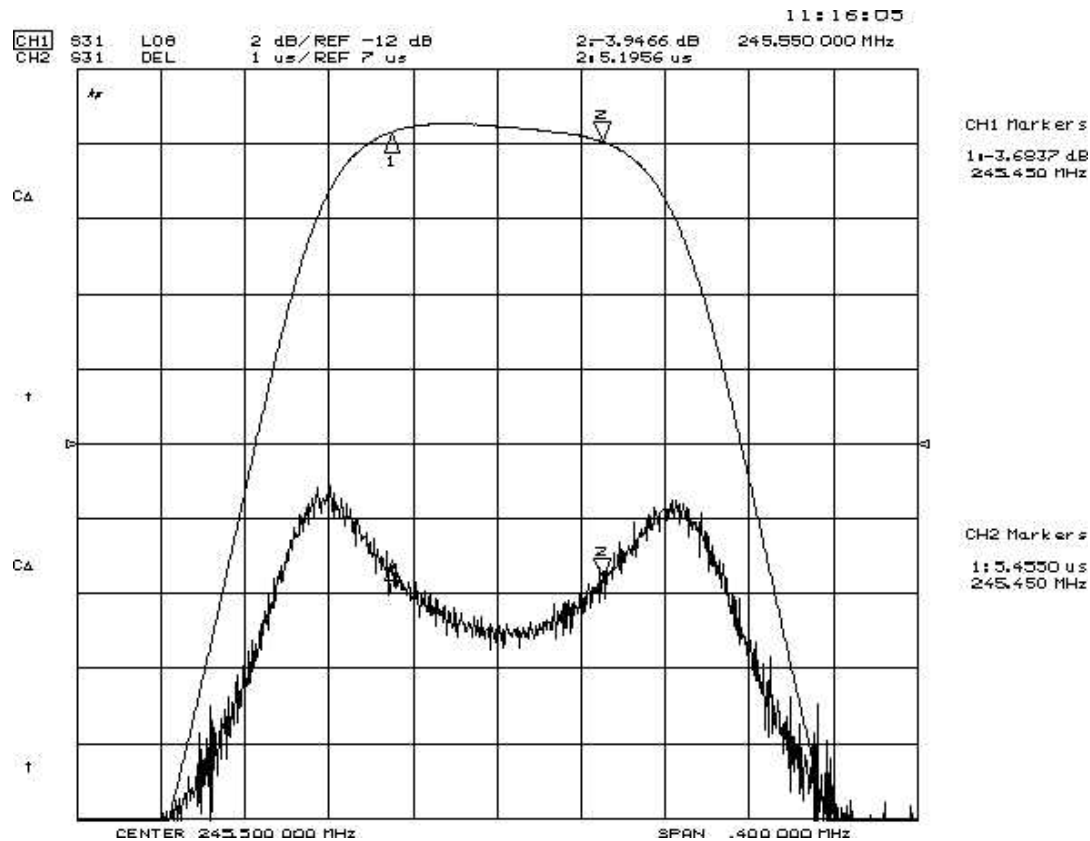
50 Ohm Test circuit (single-ended / single-ended)



E. PCB Footprint:

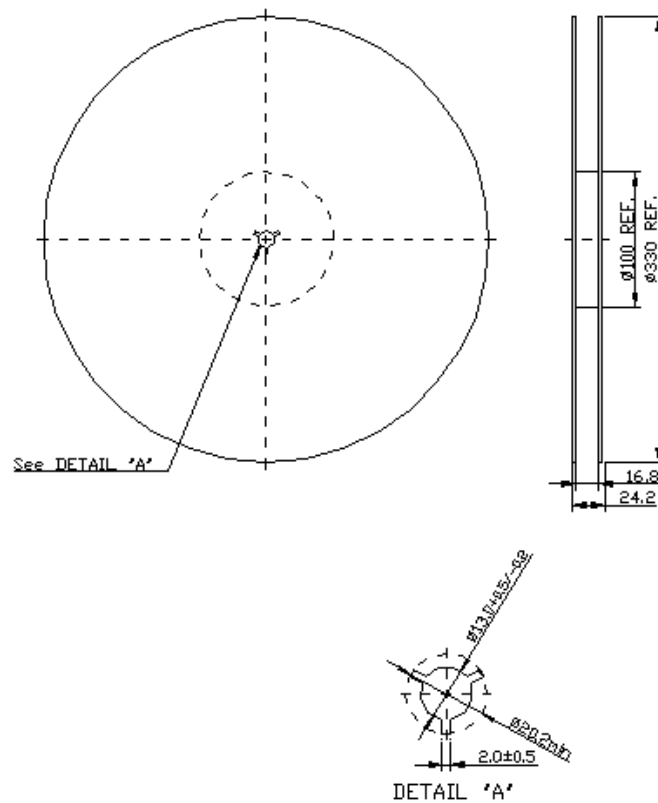


F. Frequency Characteristics :

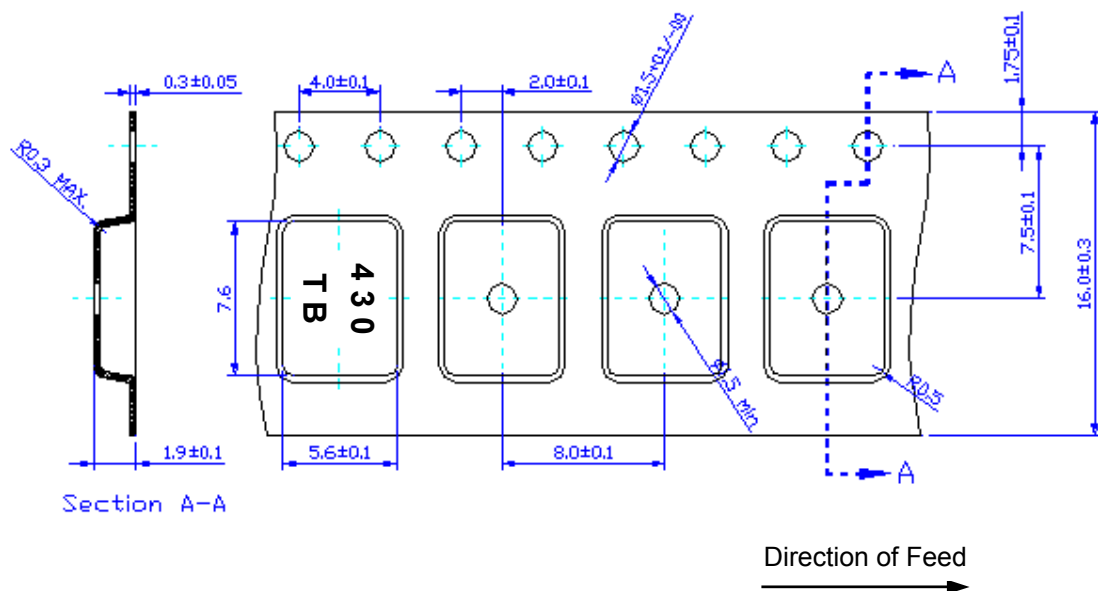


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

