



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, 5, 2003

Product Name: SAW Filter 119.64 MHz SMD 5x7 mm

TST Parts No.:TB0196A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Bob Chau

Approval by:_____ Francis Chen

Date:_____ Sep, 5, 2003



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SAW Filter 119.64MHz

MODEL NO.: TB0196A

REV. NO.:1

A. MAXIMUM RATING:

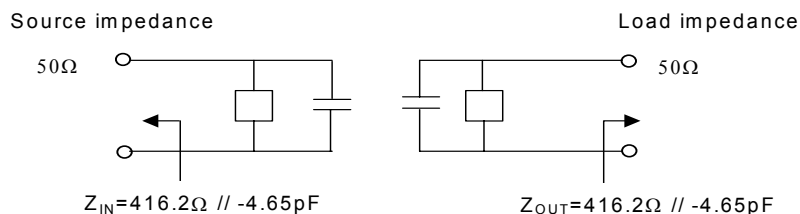
1. Input Power Level: 10 dBm
2. DC voltage : 13 V
3. Operating Temperature: -20°C to 75°C
4. Storage Temperature: -40°C to 85°C

RoHS Compliant
Lead free
Lead-free soldering

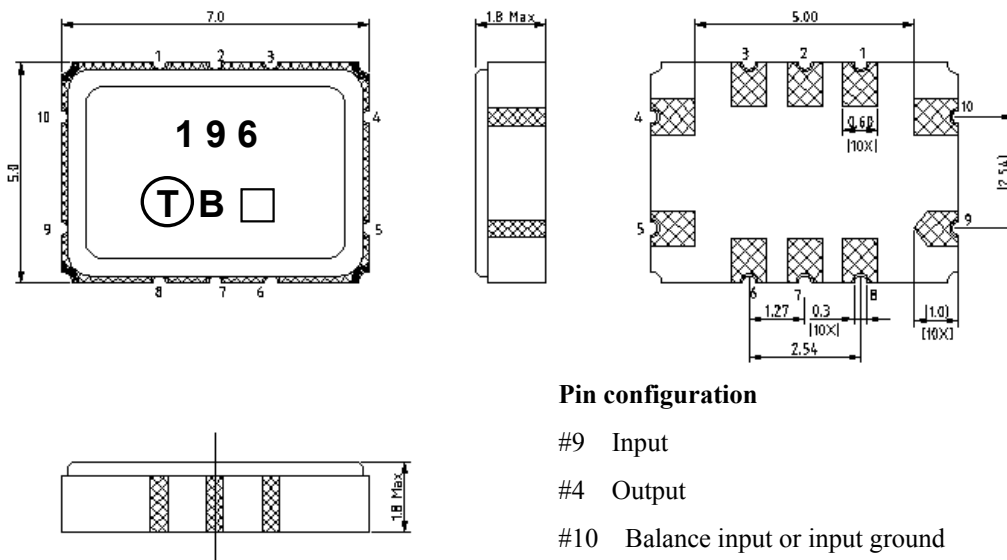
B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center frequency, F_c	MHz	-	119.64	-	1
Minimum Insertion Loss, IL	dB	-	4	5.5	1
3 dB bandwidth (from F_c)	KHz	±15	-	-	1
Group delay ripple in F_c±15KHz , GD	μs	-	5	10	1
Attenuation:(Reference level from min IL)					
F_c - 15 to F_c + 15 KHz	dB	-	1.2	3.0	
F_c ± 60 to F_c ± 120 KHz	dB	13	23	-	
F_c ± 120 to F_c ± 240 KHz	dB	43	50	-	
F_c ± 240 to F_c ± 330 KHz	dB	45	55	-	
F_c ± 330 to F_c ± 480 KHz	dB	45	55	-	
F_c ± 480 to F_c ± 660 KHz	dB	45	55	-	

Note1. The standard definitions is in JIS C 6703



C. OUTLINE DRAWING:

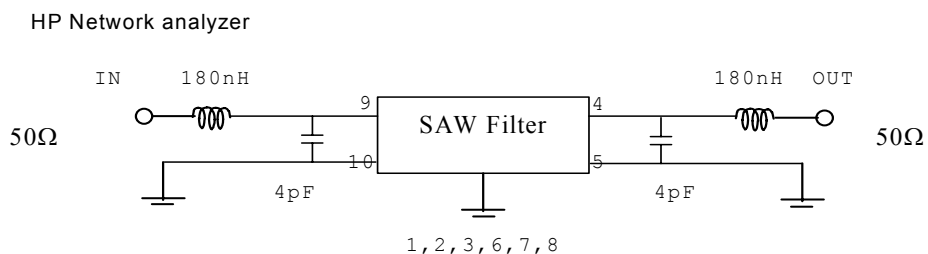


Pin configuration

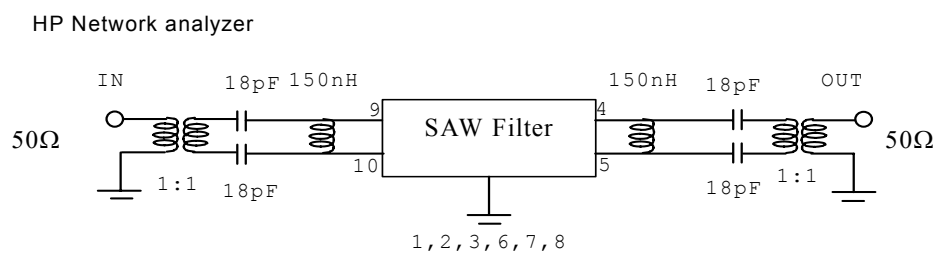
- #9 Input
- #4 Output
- #10 Balance input or input ground
- #5 Balance output or output ground
- #1,2,3,6,7,8 To be grounded
- Date code
- Unit mm

D. MEASUREMENT CIRCUIT:

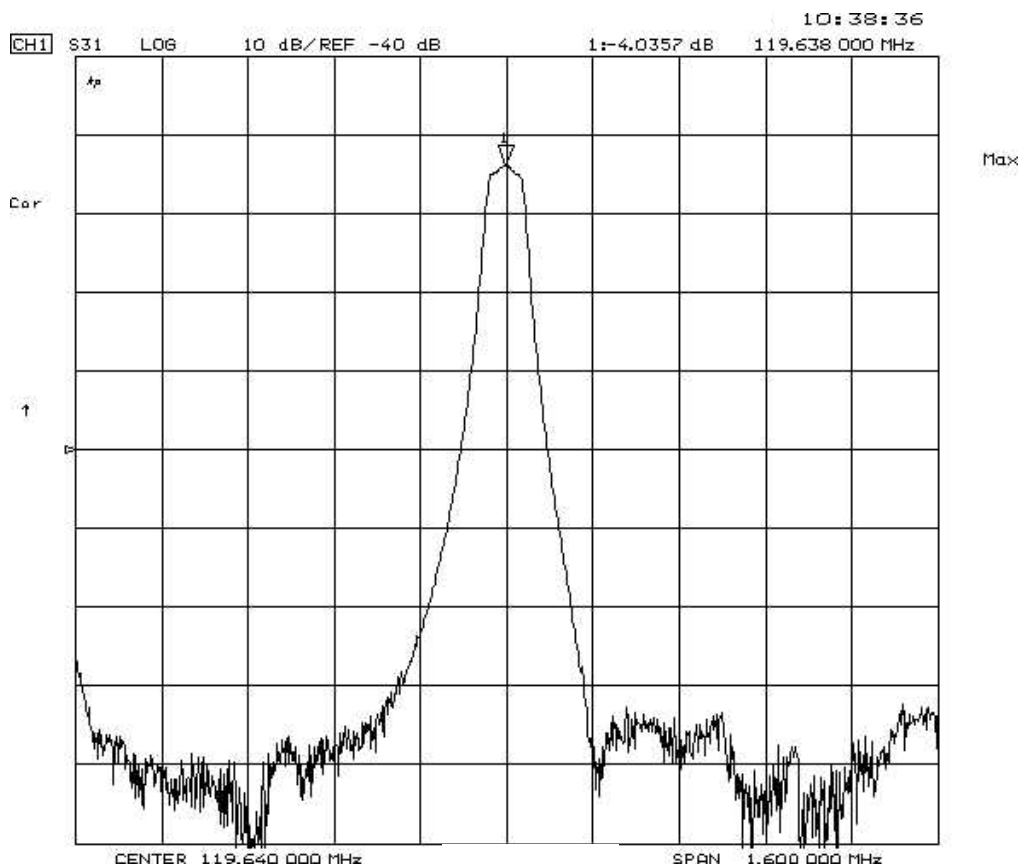
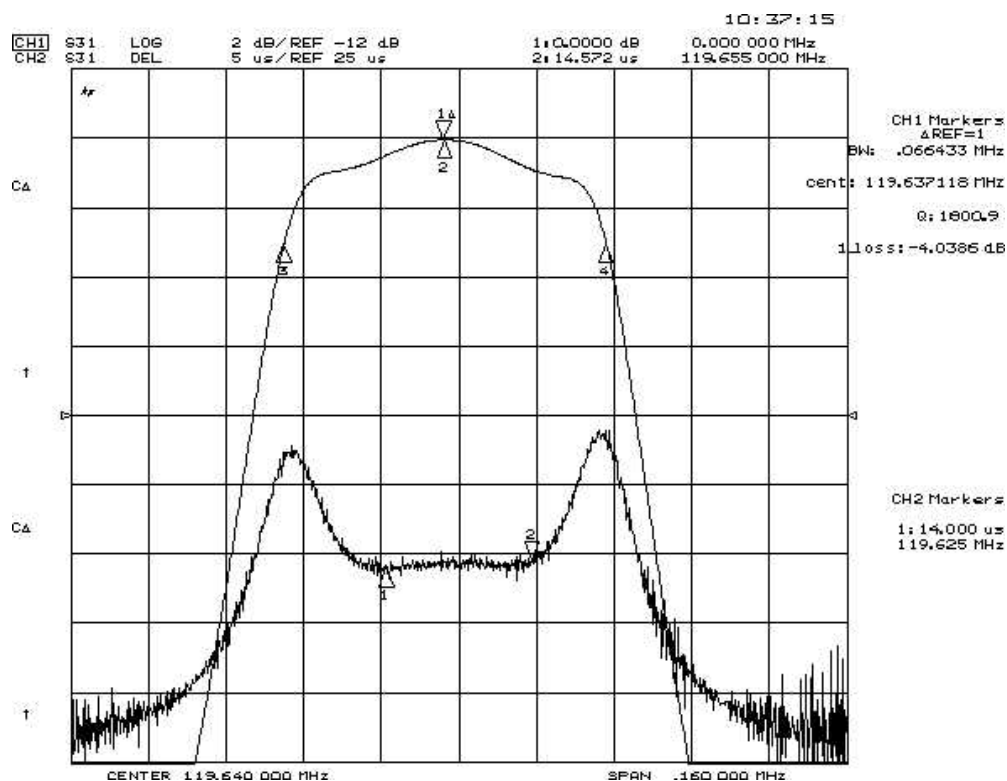
50 Ohm Test circuit 1 (single-ended / single-ended)



50 Ohm Test circuit 2 (balance / balance)

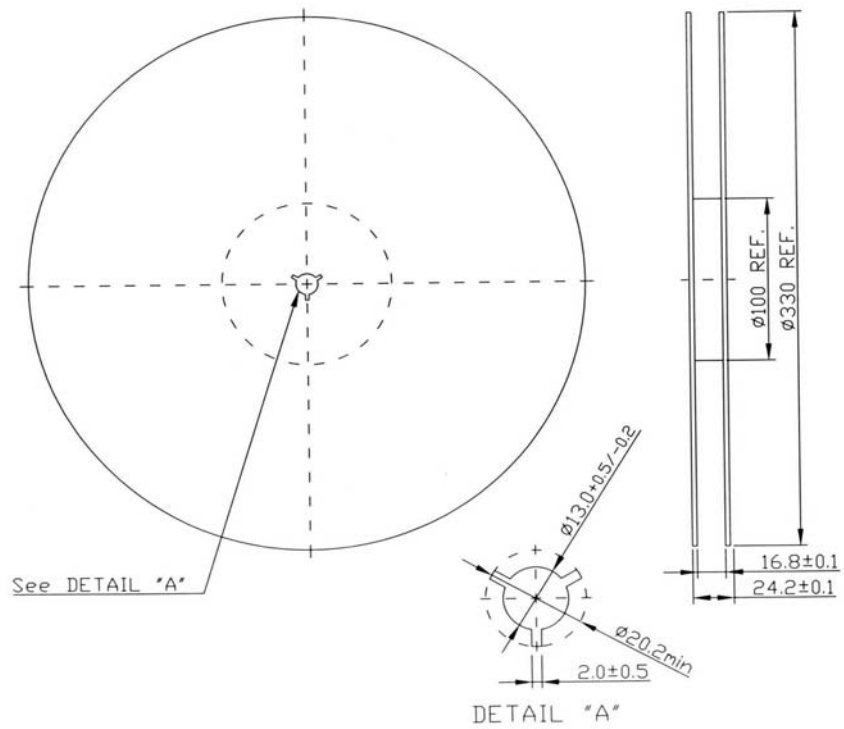


E. Frequency Characteristics :



F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

