



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:

Product Name: SAW Filter 810 MHz SMD 3.0×3.0mm

TST Parts No.:TA0438A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Elvis Chiu

Approval by:_____Francis Chen

Date:_____2005/06/16



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SAW Filter 810 MHz

MODEL NO.: TA0438A

REV. NO.2

A. MAXIMUM RATING:

1. Operating Temperature: 0°C ~ 70°C
2. Storage Temperature: -40°C ~ +85°C

RoHS Compliant
Lead free
Lead-free soldering

B. Characteristics :

Balanced to Balanced operation

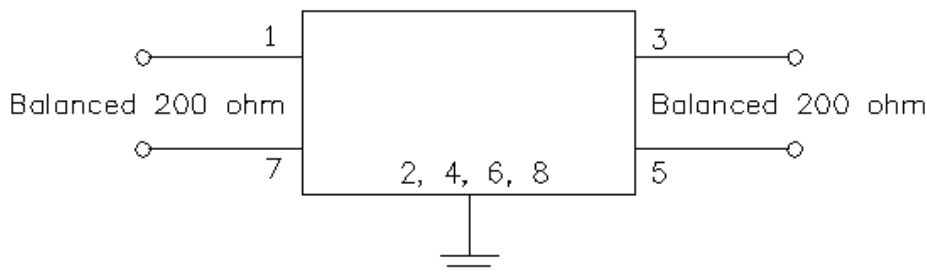
Terminating source impedance : $Z_s = 200 \Omega$

Terminating load impedance : $Z_L = 200 \Omega$

Characteristics	Value			Unit
	Min.	Typ.	Max.	
Center frequency F_c	-	810	-	MHz
Minimum Insertion loss 801.5~818.5 MHz IL_{min}	-	1.6	3.8	dB
Ripple 801.5~818.5 MHz	-	0.6	1.5	dB
Group Delay 801.5~818.5 MHz	-	0.07	0.11	μs
Group Delay Variation 801.5~818.5 MHz	-	23	75	ns
Attenuation:(Reference level from 0 dB)				
1) 660...760MHz	41	49	-	dB
2) 790MHz	17	29	-	dB
3) 830MHz	17	21	-	dB
4) 860...960MHz	38	43	-	dB

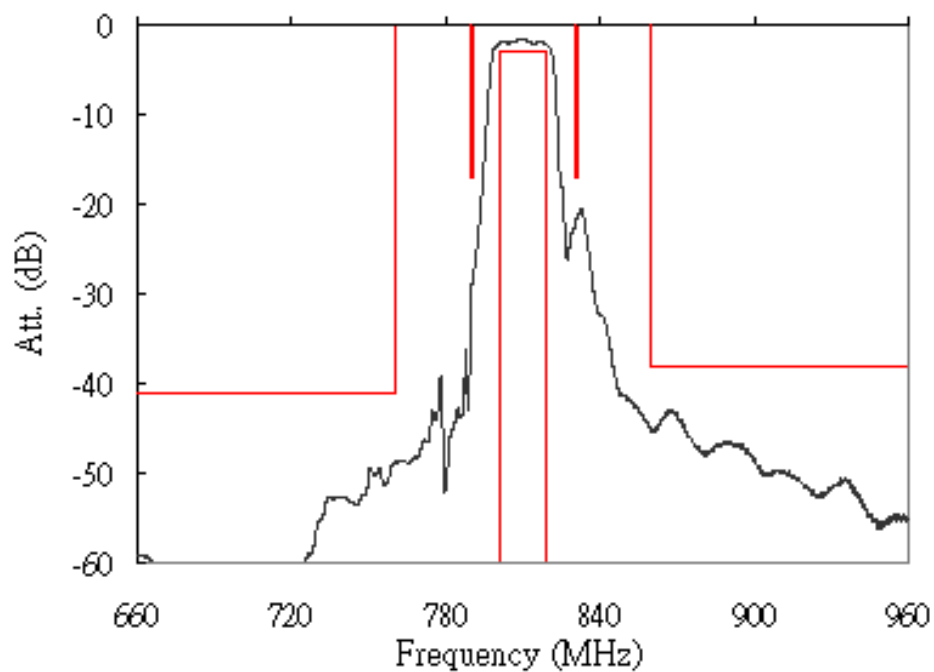
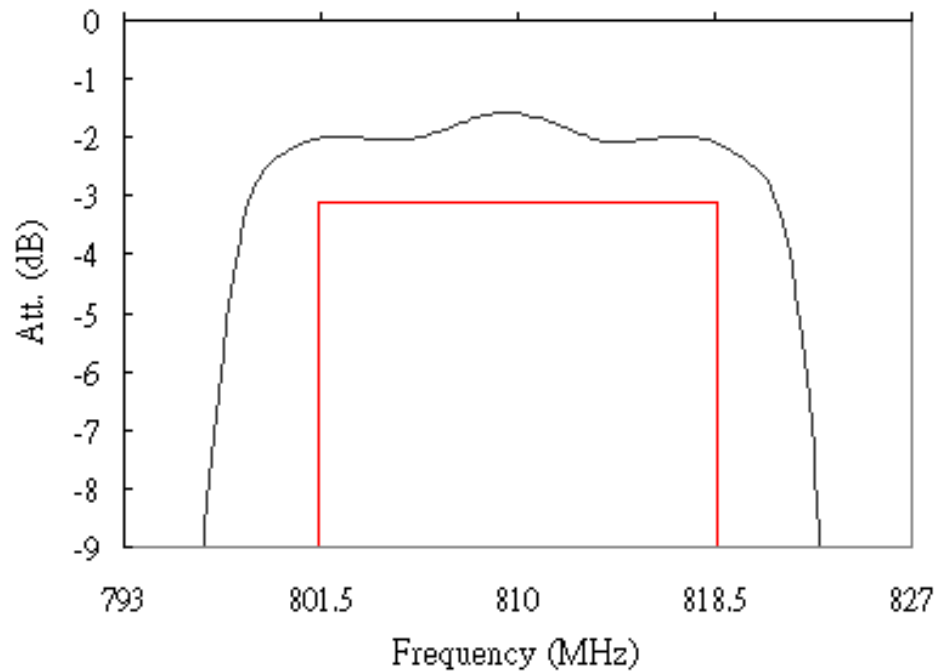
Note: IL_{min} is the minimum of the pass band attenuation.

C. MEASUREMENT CIRCUIT:

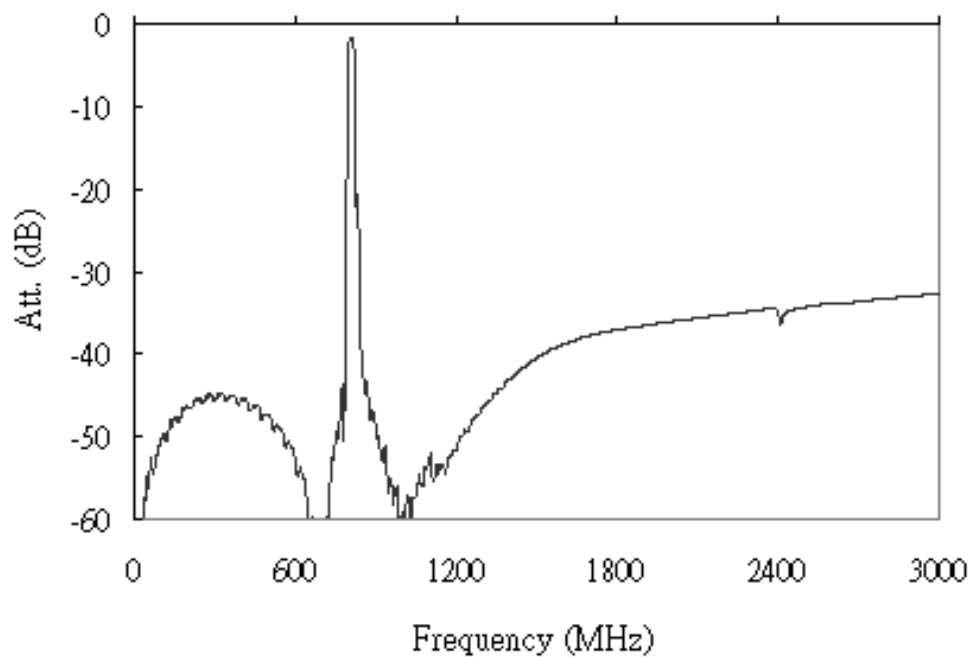


D. Frequency Characteristics :

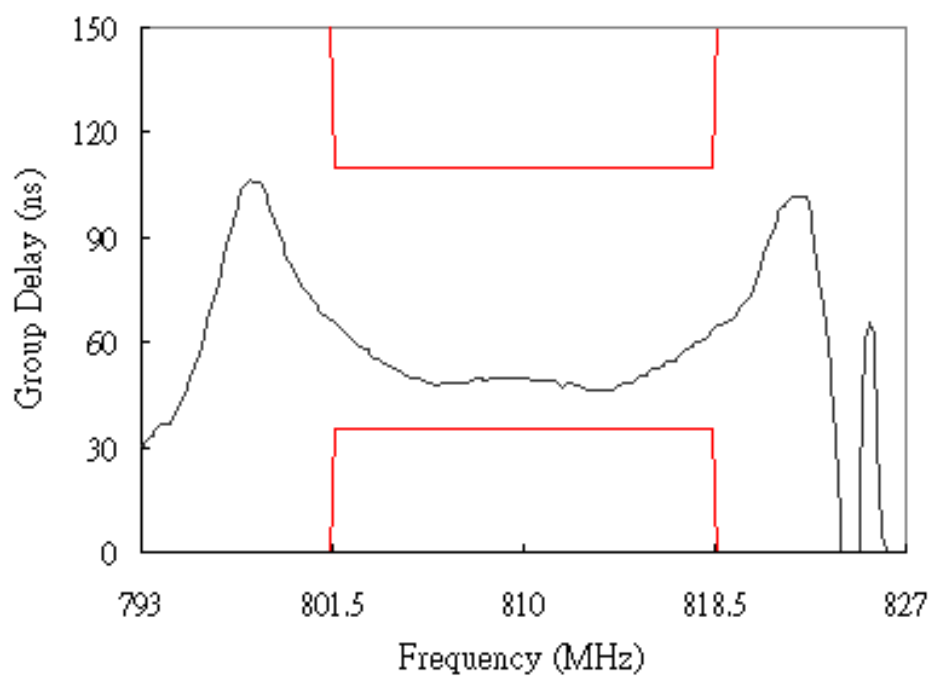
Transfer Function:



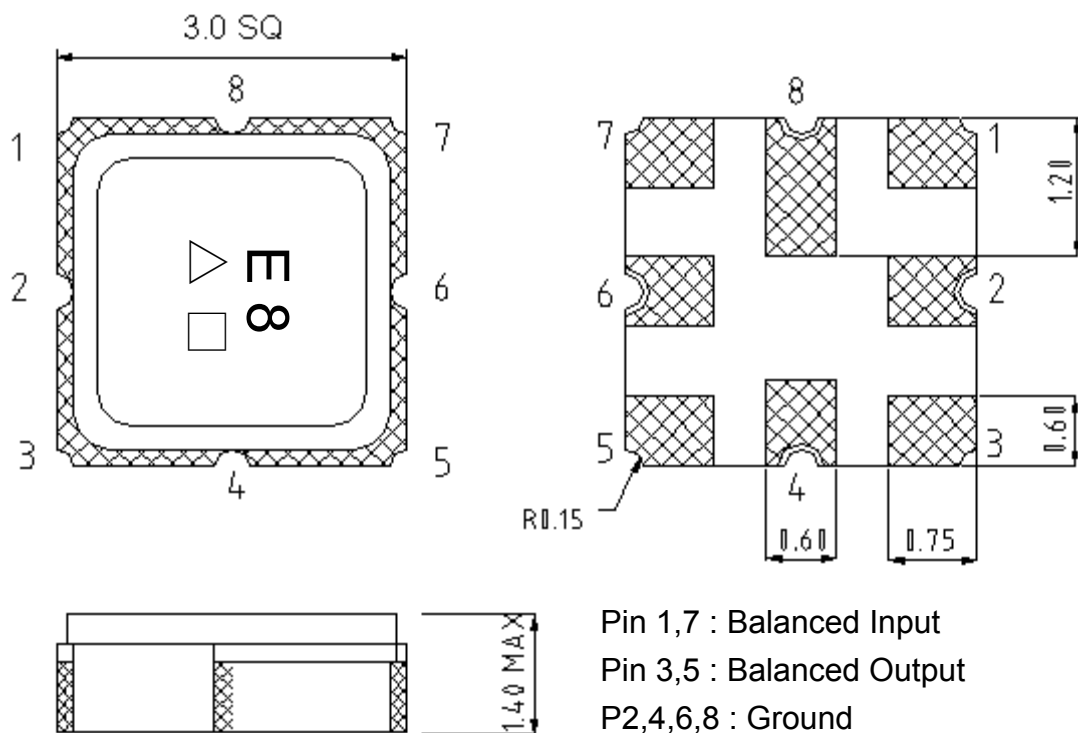
Wideband:



Group Delay:

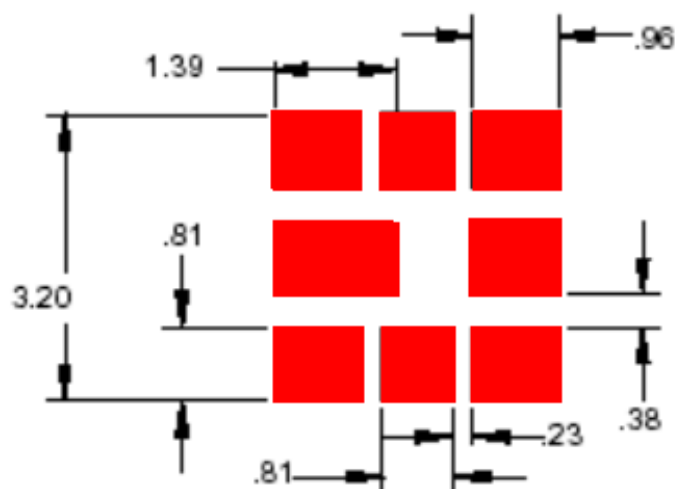


E.OUTLINE DRAWING:



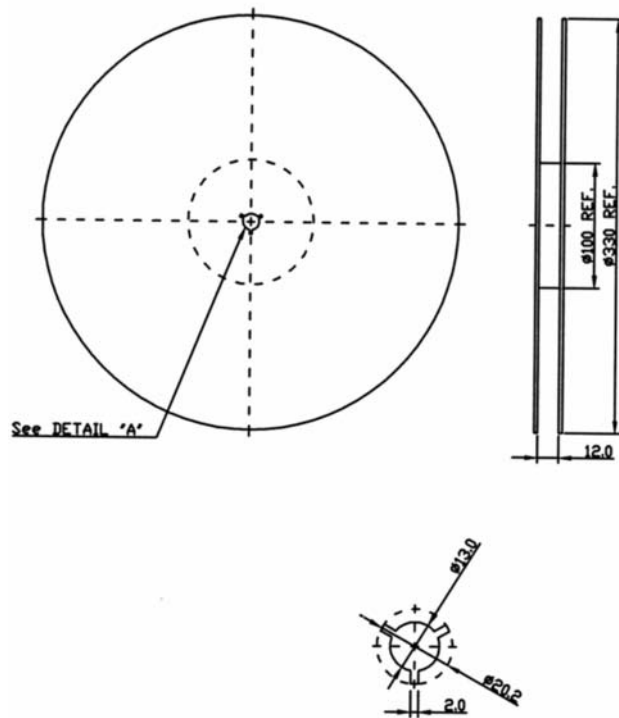
Pin 1,7 : Balanced Input
 Pin 3,5 : Balanced Output
 P2,4,6,8 : Ground
 △ : Year Code
 □ : Date Code
 Unit : mm

F. PCB FOOTPRINT:



G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

