



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 1216 MHz SMD 3.0×3.0mm

TST Parts No.:TA0364A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Elvis Chiu

Approval by:_____Francis Chen

Date:_____2004/09/09



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SAW Filter 1216 MHz

MODEL NO.: TA0364A

REV. NO.1

A. MAXIMUM RATING:

1. Operating Temperature: 35°C ~ 75°C
2. Storage Temperature: -40°C ~ +85°C

RoHS Compliant
Lead free
Lead-free soldering

B. Characteristics :

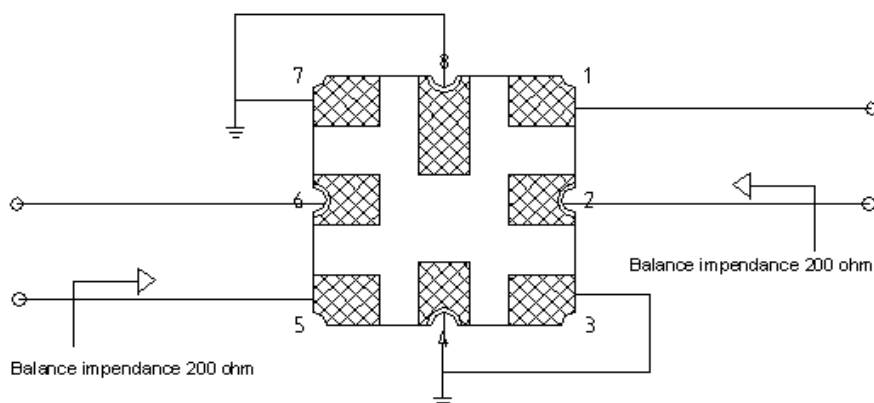
Balanced to Balanced operation

Terminating source impedance : $Z_s = 200 \Omega$

Terminating load impedance : $Z_L = 200 \Omega$

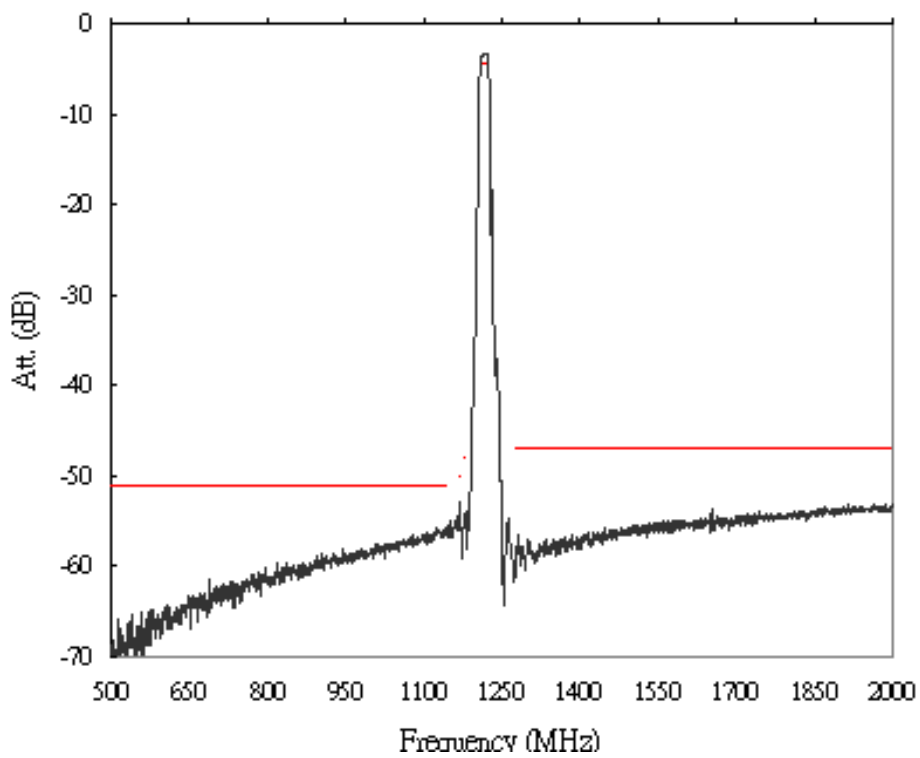
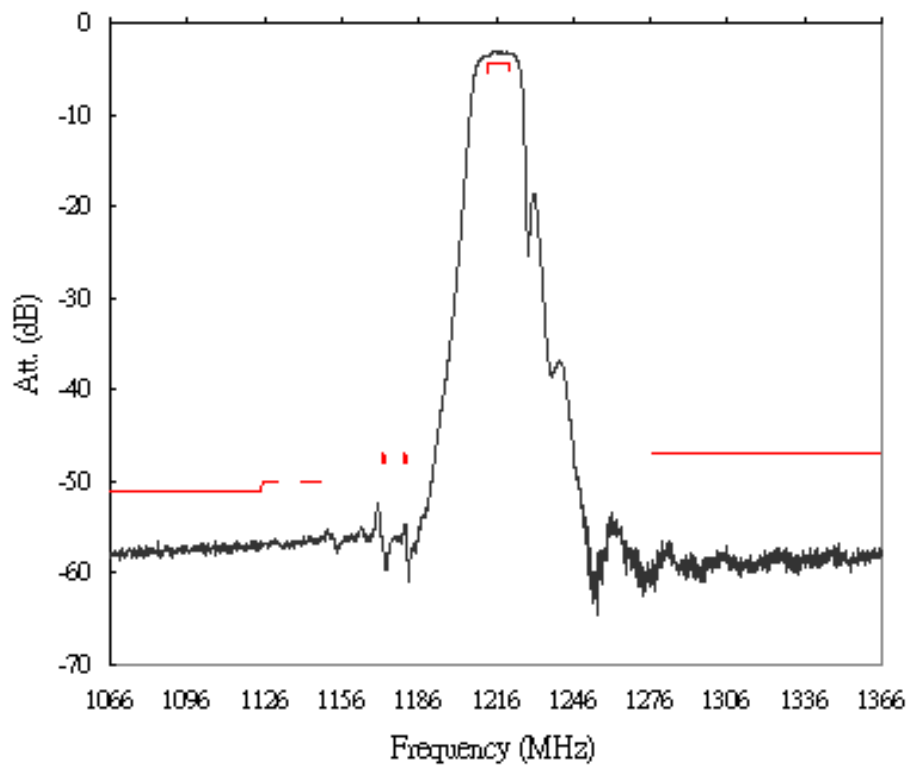
Characteristics			Value			Unit
			Min.	Typ.	Max.	
Center frequency	FC		-	1216	-	MHz
Insertion loss	1212~1220 MHz	I.L.	-	3.8	5.5	dB
Ripple	1212~1220 MHz		-	0.5	1.2	dB
Bandwidth	BW _{-3dB}		16.3	18.3	-	MHz
Bandwidth	BW _{-12dB}		-	22.9	-	MHz
Attenuation:(Reference level from 0 dB)						
1)	500...Fc-91MHz		51	56	-	dB
2)	Fc-91...Fc-85 MHz		50	56	-	dB
3)	Fc-76...Fc-68 MHz		50	56	-	dB
5)	Fc-88 MHz		50	56	-	dB
6)	Fc-72 MHz		50	56	-	dB
7)	Fc-44 MHz		47	55	-	dB
8)	Fc-36 MHz		47	54	-	dB
9)	Fc+60...2000 MHz		47	53	-	dB
Group delay ripple(p-p) (1212~1220MHz)			-	10	-	ns

C. MEASUREMENT CIRCUIT:

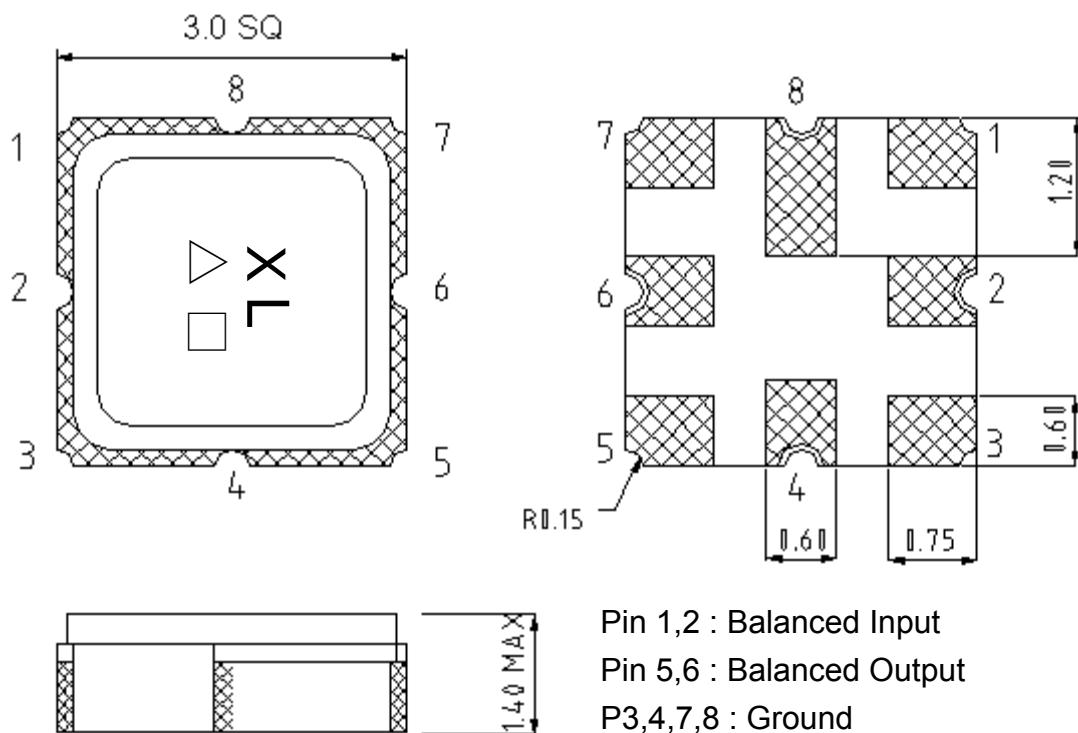


D. Frequency Characteristics :

1. Sdd21 Response

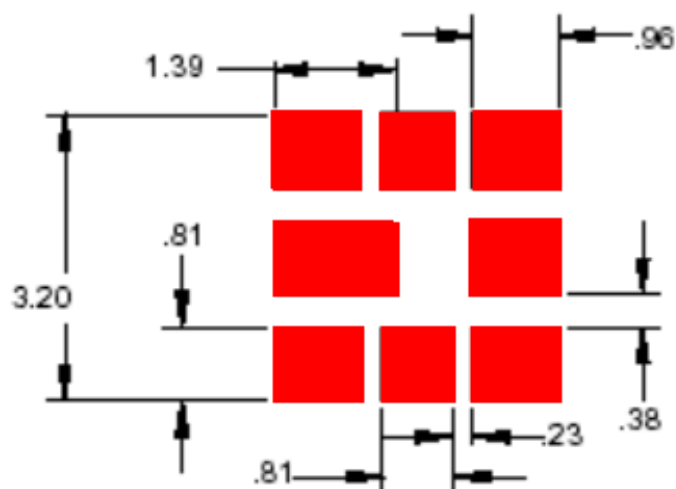


E.OUTLINE DRAWING:



Pin 1,2 : Balanced Input
 Pin 5,6 : Balanced Output
 P3,4,7,8 : Ground
 △ : Year Code
 □ : Date Code
 Unit : mm

F. PCB FOOTPRINT:



1. REEL DIMENSION

See DETAIL 'A'

Technical drawing showing a circular component with a central hole. The drawing includes a top view (left) and a side view (right). The top view shows a large circle with a smaller dashed circle inside, representing a hole. A leader line points from the text "See DETAIL 'A'" to the central hole. The side view shows a rectangular profile with a central hole. Dimensions are given as $\phi 100$ REF. and $\phi 330$ REF. for the hole and outer diameter respectively. A dimension of 12.0 is shown for the height of the component.