



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date:

Product Name: Differential SAW Filter 1220 MHz

TST Parts No.:TA0269A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Andy Lee

Approval by:_____ Francis Chen

Date:_____ 2003/07/02



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Differential SAW Filter 1220 MHz SMD 3X3mm

MODEL NO.: TA0269A

REV. NO.3

A. MAXIMUM RATING:

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

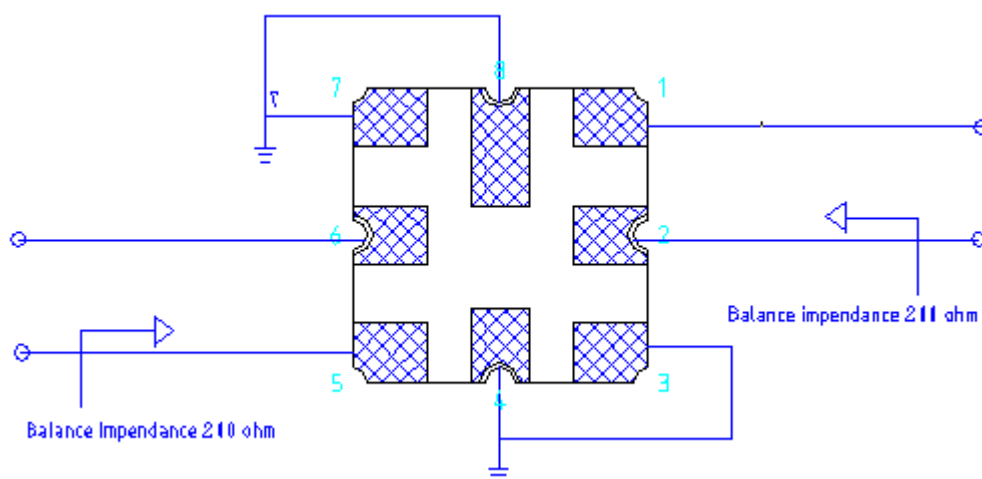
RoHS Compliant
Lead free
Lead-free soldering

B. Characteristics :

1. Balanced to Balanced operation
2. Terminating source impedance : $Z_s = 200 \Omega$
3. Terminating load impedance : $Z_L = 200 \Omega$

Characteristics		Value			Note
		Min.	Typ.	Max.	
Center frequency F_c	MHz	-	1220	-	-
Insertion loss(1216~1224 MHz) I.L.	dB	-	3.7	4.8	-
Ripple (1216~1224MHz)	dB	-	0.8	1.5	-
Attenuation:(Reference level from 0 dB)					
1)500.. F_c -93 MHz	dB	50	60	-	-
2) F_c -93... F_c -85 MHz	dB	46	53	-	-
3) F_c -85... F_c -68 MHz	dB	46	53	-	-
5) F_c -88 MHz	dB	50	55	-	-
6) F_c -72 MHz	dB	48	65	-	-
7) F_c -44 MHz	dB	50	54	-	-
8) F_c -36 MHz	dB	46	62	-	-
9) F_c +70...2000 MHz	dB	50	61	-	-
Group delay ripple(p-p) (1216~1224MHz) nS		-	40	-	

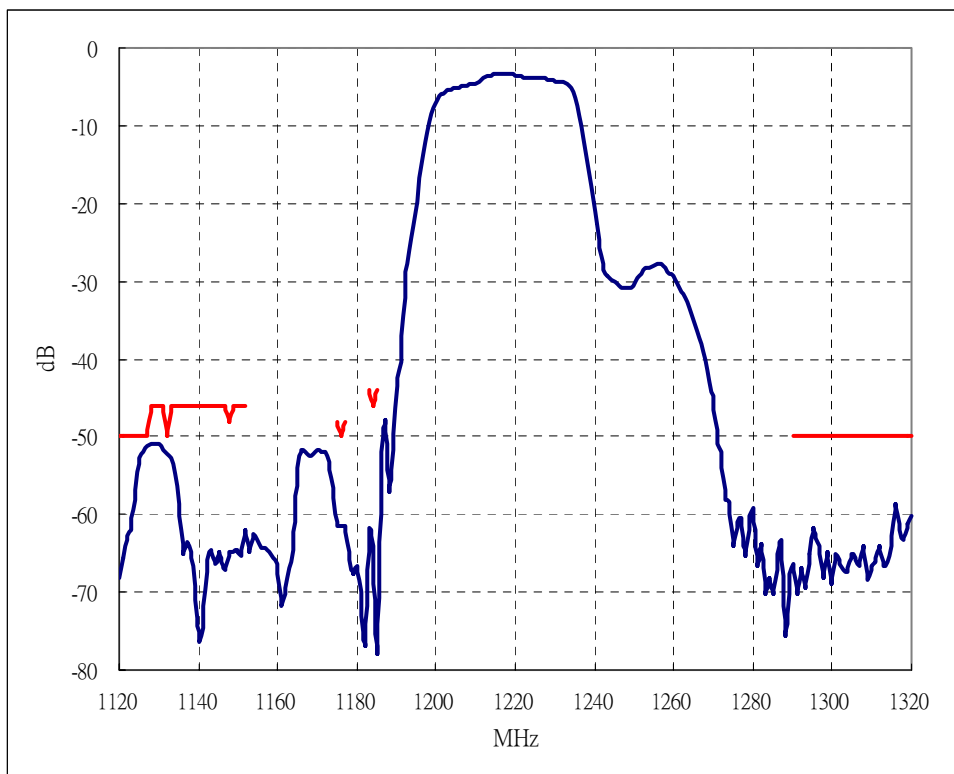
C. Measurement Circuit:



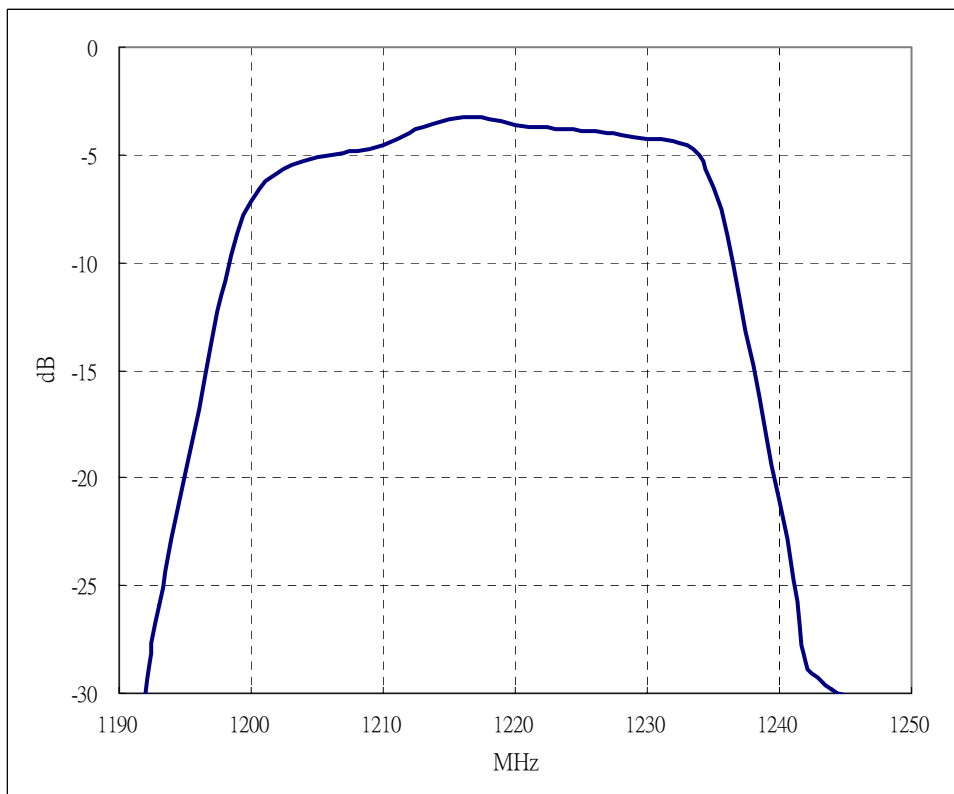
C

D. Frequency Characteristics :

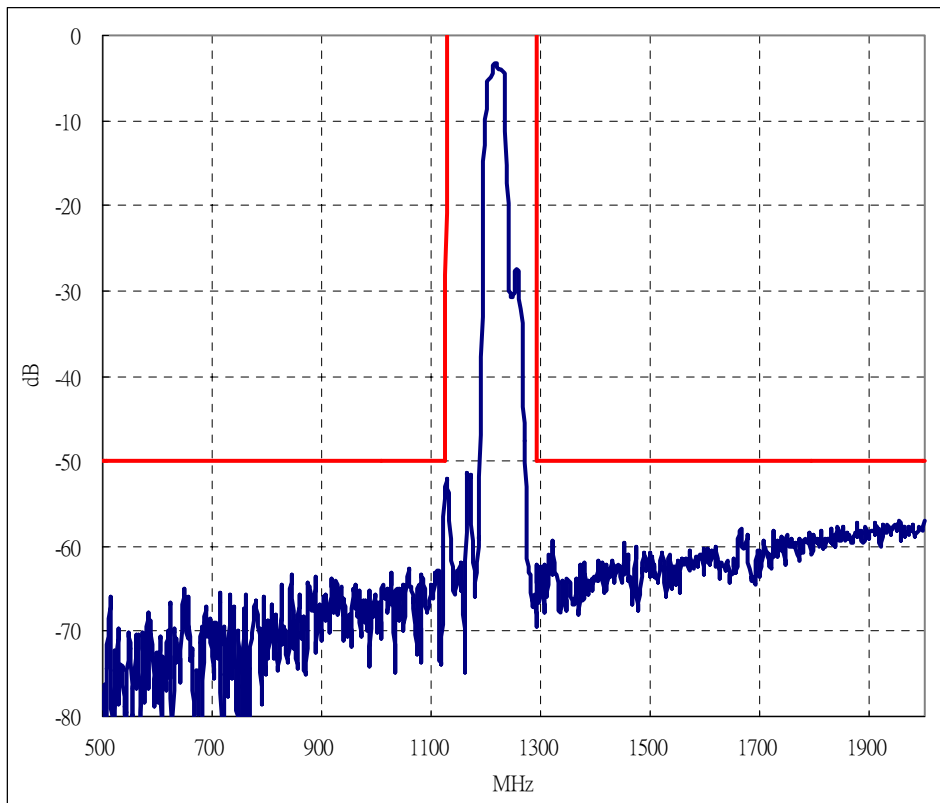
1. Sdd21 Response



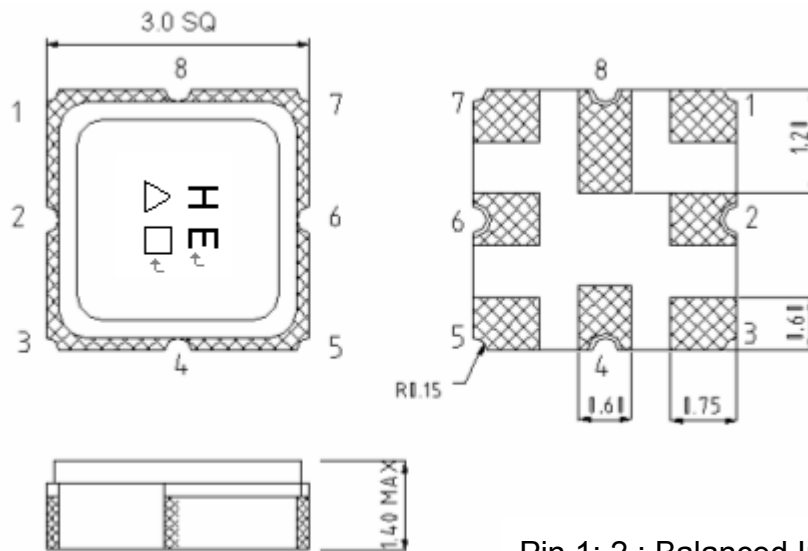
2. Sdd21 Response (Passband)



3. Sdd21 Response (wide band)

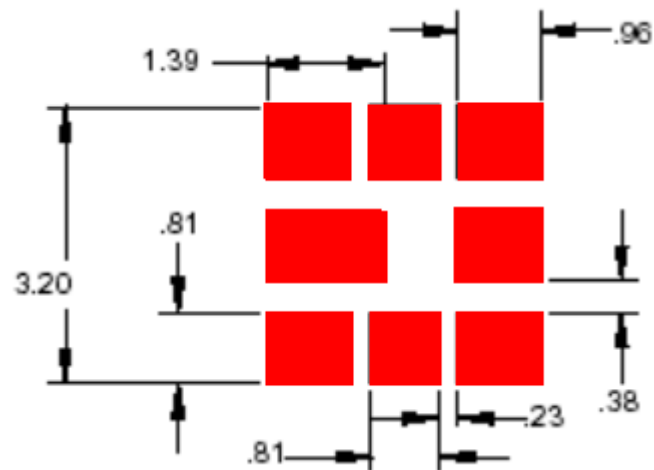


E. Outline Drawing:



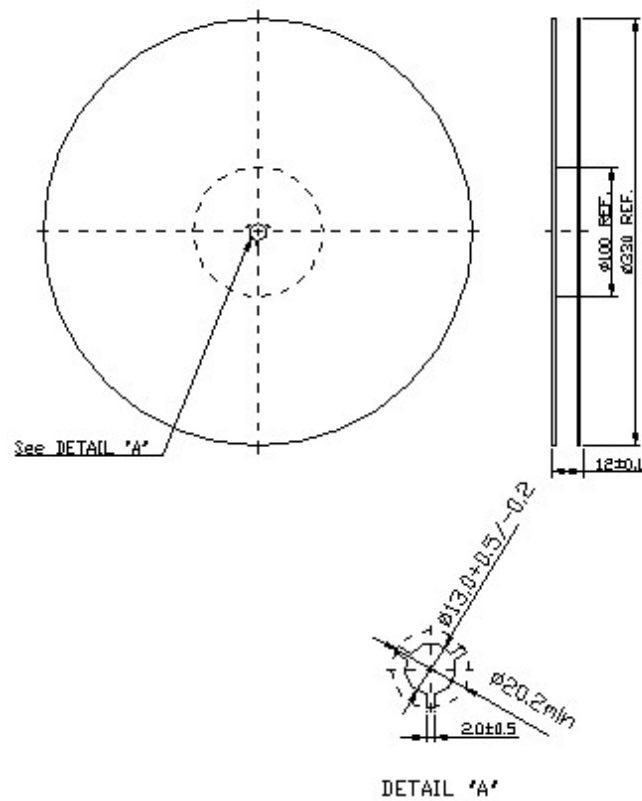
Pin 1; 2 : Balanced Input
 Pin 5, 6 : Balanced Output
 P3,4,7,8 : Ground
 △ : Year Code
 □ : Date Code
 Unit : mm

F. PCB FOOTPRINT:



G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

