



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date:

Product Name: Differential SAW Filter 1120 MHz

TST Parts No.:TA0267A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Andy Lee

Approval by:_____ Francis Chen

Date:_____ 2002/3/7



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Differential SAW Filter 1120 MHz SMD 3X3mm

MODEL NO.: TA0267A

REV. NO.1

A. MAXIMUM RATING:

1. Operating Temperature: -10°C ~ +85°C
2. Storage Temperature: -40°C ~ +85°C

RoHS Compliant
Lead free
Lead-free soldering

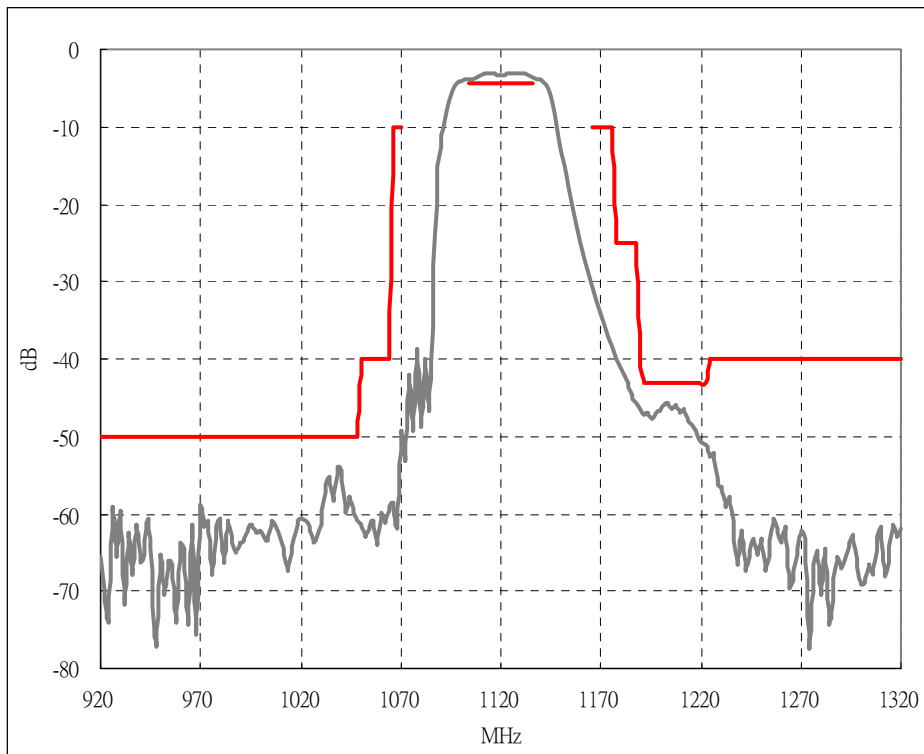
B. Characteristics :

1. Balanced to Balanced operation
2. Terminating source impedance : $Z_s = 200 \Omega // 50 \text{ nH}$
3. Terminating load impedance : $Z_L = 200 \Omega // 30 \text{ nH}$

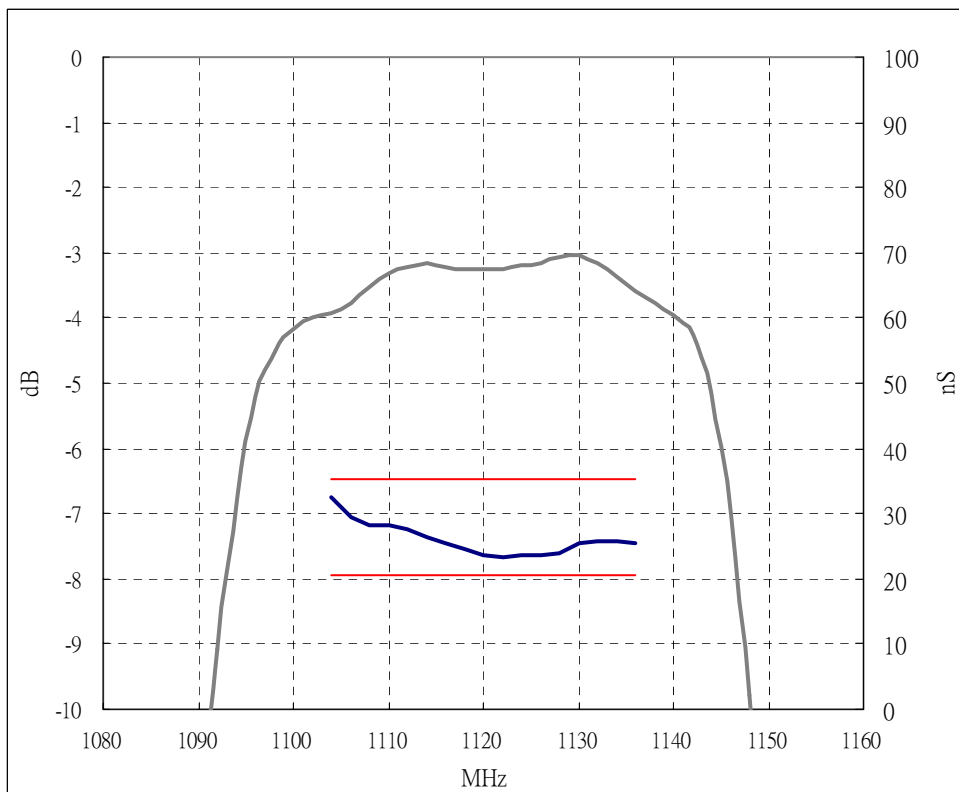
Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency F_c MHz	-	1120	-	-
Insertion loss(1104~1136 MHz) I.L. dB	-	3.9	4.5	-
Ripple (1104~1136MHz) dB	-	0.8	1.5	-
PassBand Return Loss Differential	9	11		
Attenuation:(Reference level from 0 dB)				
1)1017<F<1048 MHz dB	50	55	-	-
2)1191<F<1222 MHz dB	43	46	-	-
3) 0<F<1017 MHz dB	50	55	-	-
4) $F_c - 72 < F < F_c - 56$ MHz dB	40	60		
5) $F_c - 56 < F < F_c - 50$ MHz dB	10	49	-	-
6) $F_c + 46 < F < F_c + 56$ MHz dB	10	32	-	-
7) $F_c + 56 < F < F_c + 70$ MHz dB	25	40	-	-
8) $F_c + 70 < F < F_c + 2000$ MHz dB	40	56	-	-
9) $2000 < F < 3000$ MHz dB	40	60	-	-
Group delay ripple(p-p) (1104~1136MHz) nS	-	9	15	

C. Frequency Characteristics :

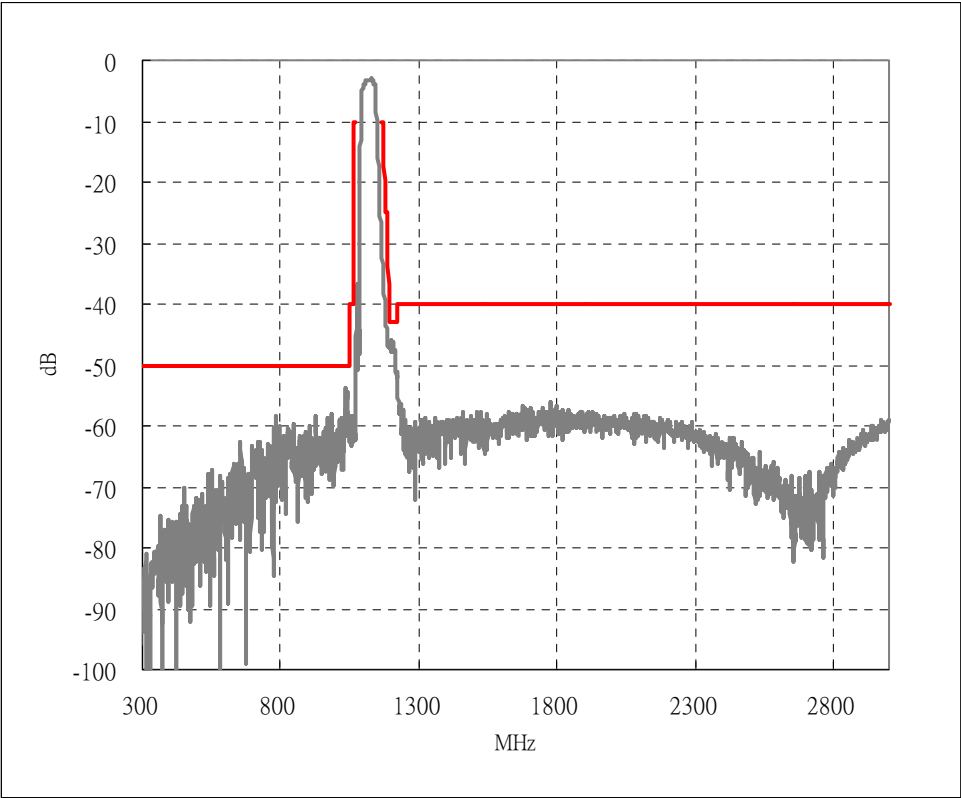
1. Sdd21 Response



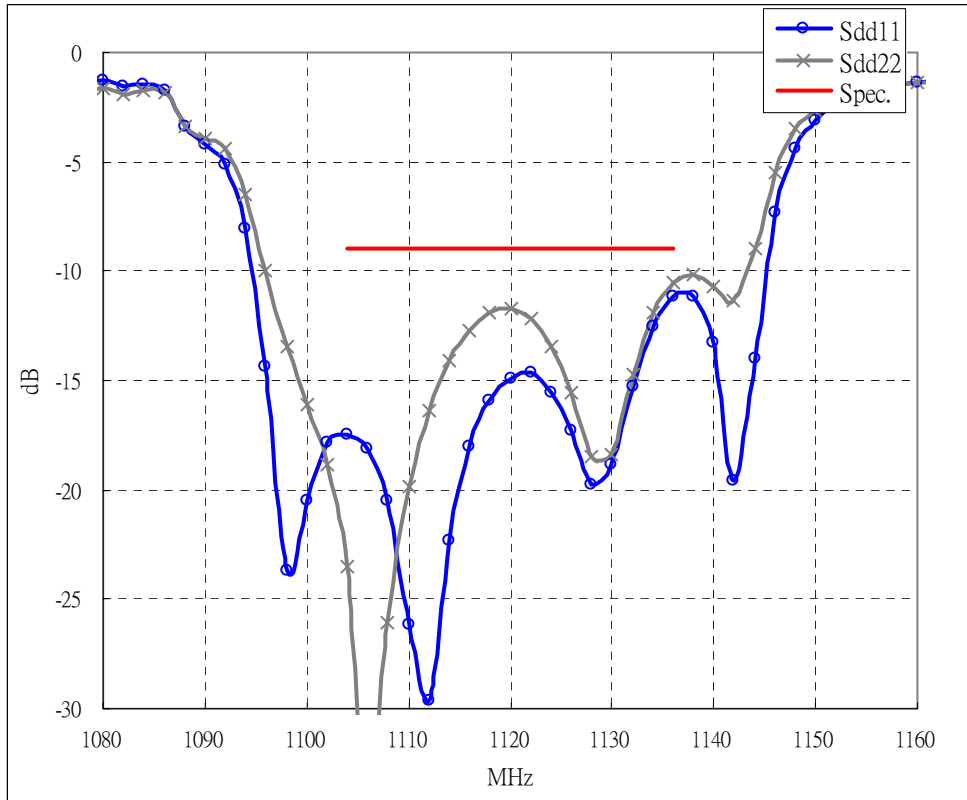
2. Sdd21 Response (Passband)



3. Sdd21 Response (wide band)

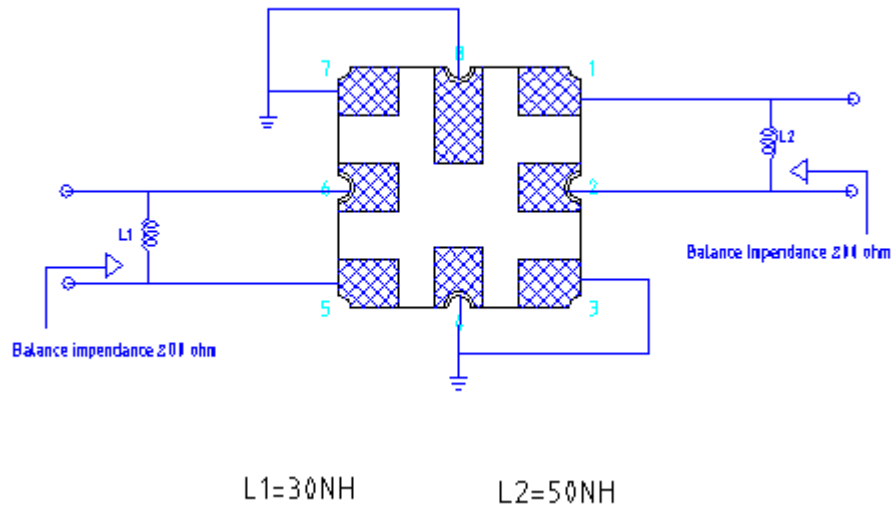


3. Return Loss

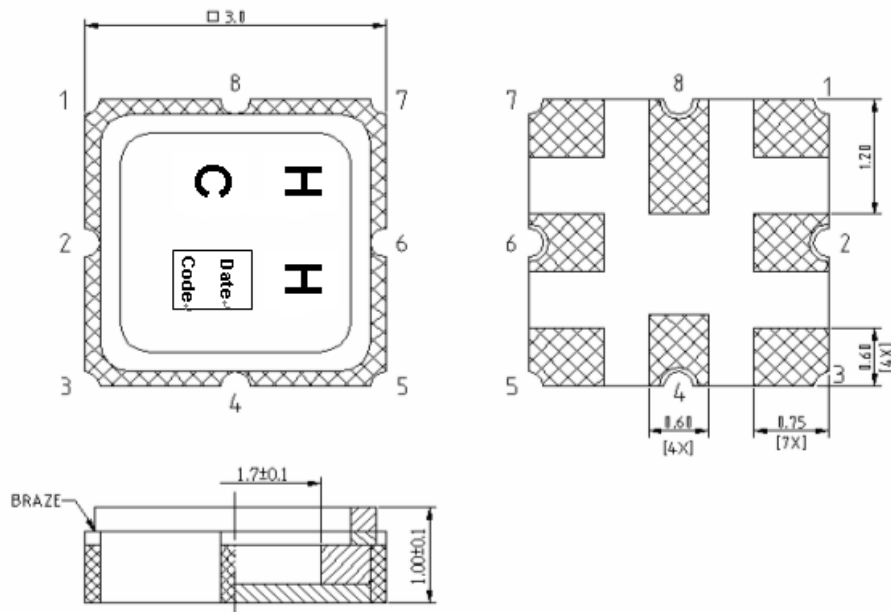


D. Measurement Circuit:

1. Balanced input 200 ohm and Balanced output 200 ohm



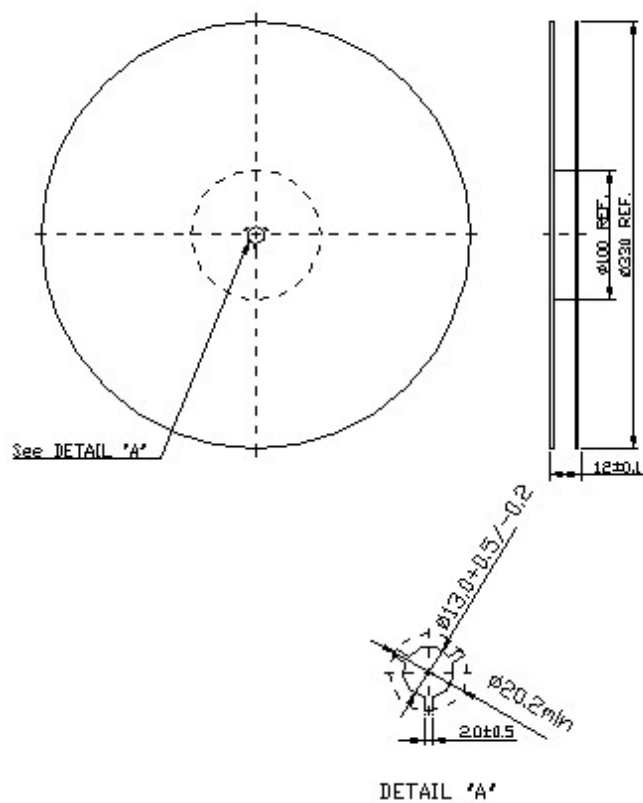
E. Outline Drawing:



- Pin 1, 2 : Differential Input
 Pin 5, 6 : Differential Output
 Pin 3,4,7,8 : Ground

F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

