



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

TEL: 886-3-4690038 FAX: 886-3-4697532

E-mail: ttsales@mail.taisaw.com Web: www.taisaw.com

Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 1220MHz SMD 3.0×3.0mm

TST Parts No.:TA0786A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Andy Lee

Approval by:_____ Francis Chen

Date:_____ 2007/10/26



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

TEL: 886-3-4690038 FAX: 886-3-4697532

E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

SAW Filter 1220 MHz

MODEL NO.: TA0786A

REV. No.:1

A. MAXIMUM RATING:

1. Operating Temperature: -40°C to +85°C

2. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

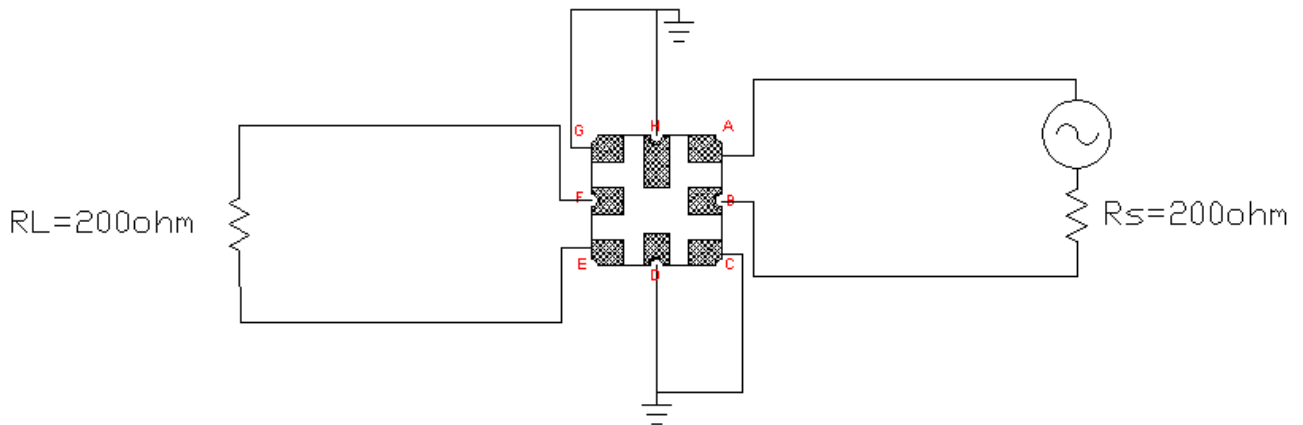
Balanced to balanced operation

Terminating source impedance: $Z_S=200\Omega$

Terminating load impedance: $Z_L=200\Omega$

Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency F_C MHz	-	1220	-	-
Insertion loss 1215~1225 MHz I.L. dB	-	3.4	5.3	-
Low 1.5 dB Bandedge MHz	-	1209.7	1215	
Upper 1.5 dB Bandedge MHz	1225	1229.3	-	
Ripple 1215~1225MHz dB	-	0.6	1.5	-
Attenuation:(Reference level from 0 dB)				
1) 500..Fc-91MHz dB	50	57	-	-
2) Fc-91...Fc-85 MHz dB	50	57	-	-
3) Fc-76...Fc-68 MHz dB	46	57	-	-
5) Fc-88 MHz dB	50	57	-	-
6) Fc-72 MHz dB	48	57	-	-
7) Fc-44 MHz dB	50	56	-	-
8) Fc-36 MHz dB	46	55	-	-
9) Fc+70...2000 MHz dB	50	55	-	-
Group delay ripple(p-p) (1215~1225MHz) nS	-	9	-	

C. MEASUREMENT CIRCUIT:



D. Frequency Characteristics :

1. Sdd21 Response

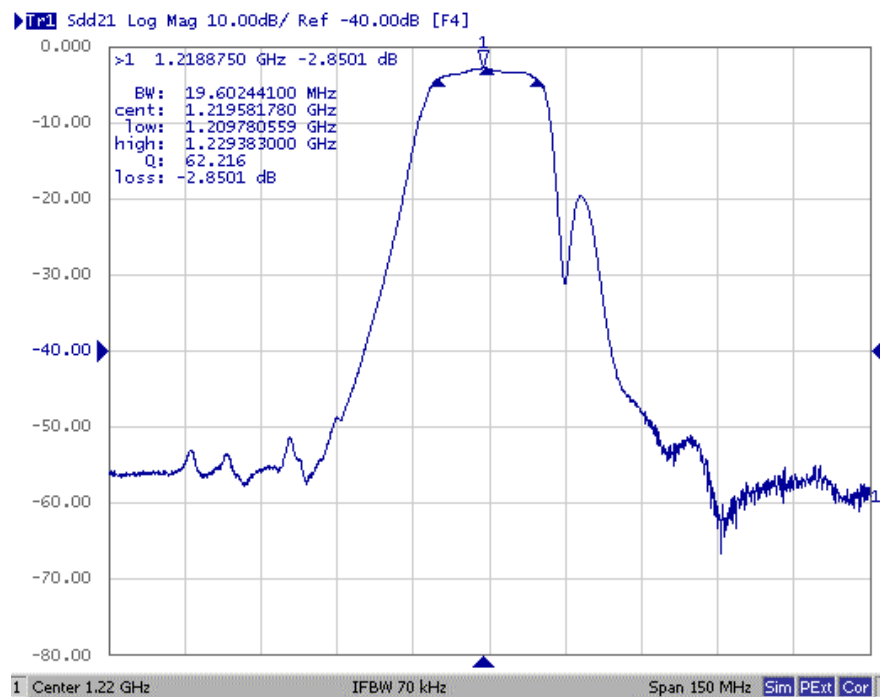


Fig1. Horizontal: 15MHz/Div Vertical: 10dB/Div

2. Sdd21 Response (Inband)

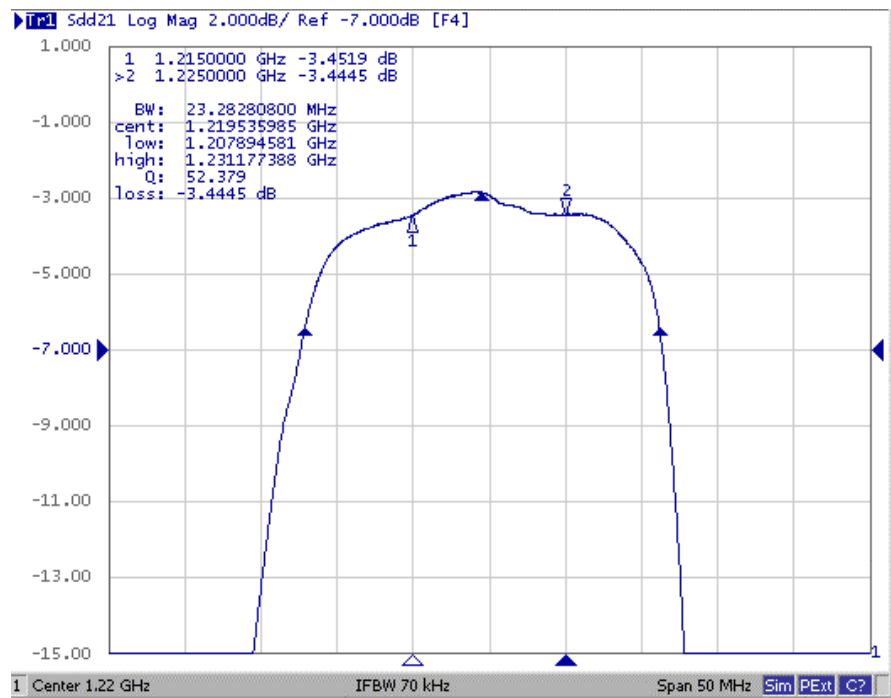


Fig2. Horizontal: 5MHz/Div Vertical: 2dB/Div

3. Sdd21 Response (wideband)

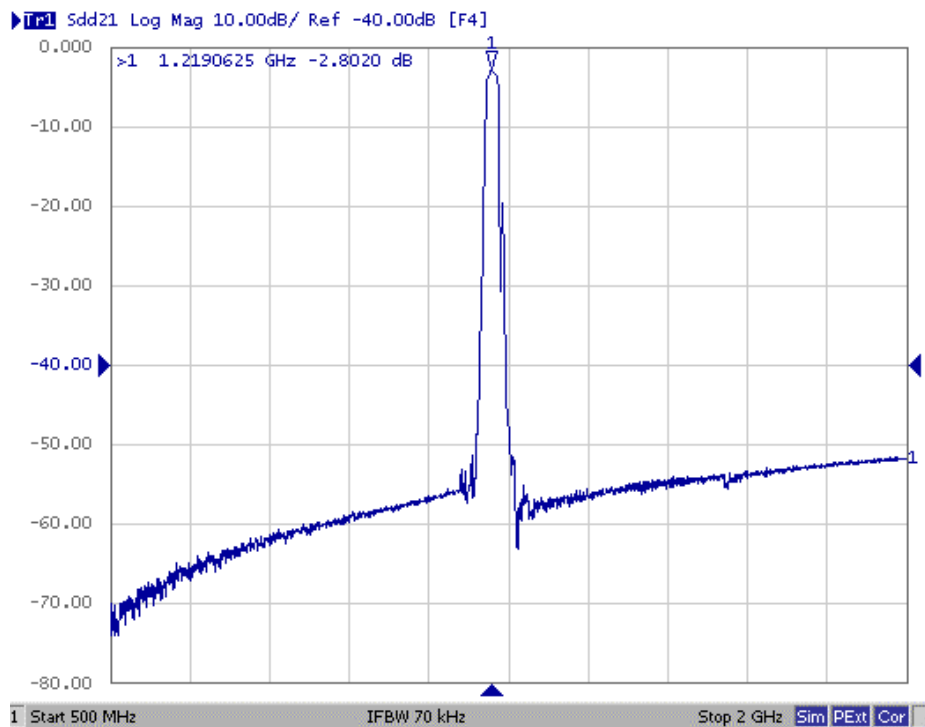
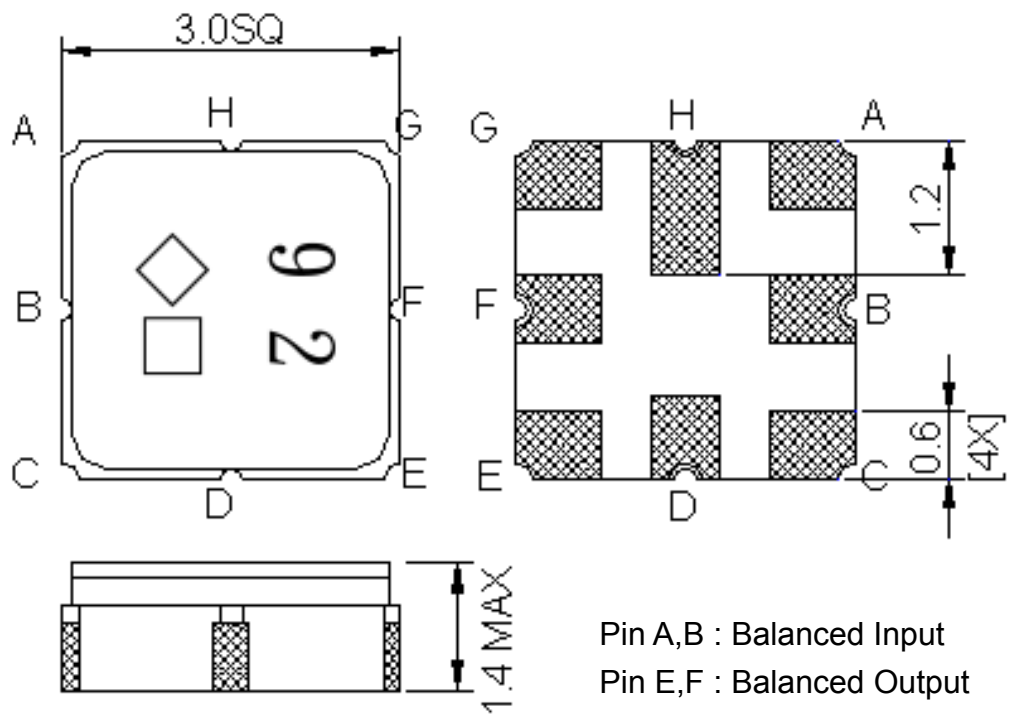


Fig3. Horizontal: 500MHz~2GHz Vertical: 10dB/Div

E. OUTLINE DRAWING:



Pin A,B : Balanced Input

Pin E,F : Balanced Output

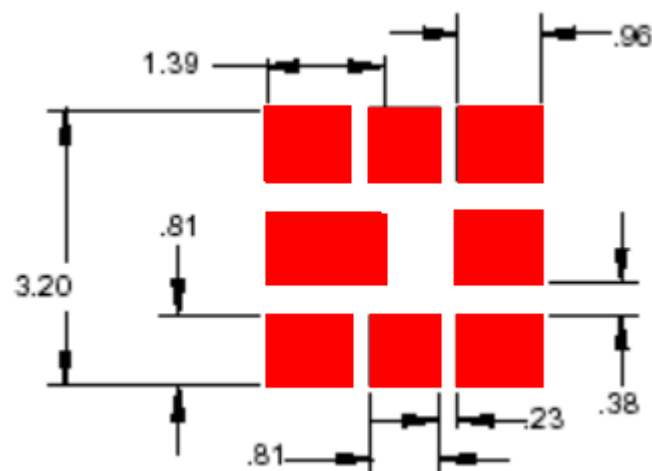
Pin C,D,G,H : Ground

◇ : Year Code (2007→7, ..., 2009→9)

□ : Date Code (Follow the table from planner each year)

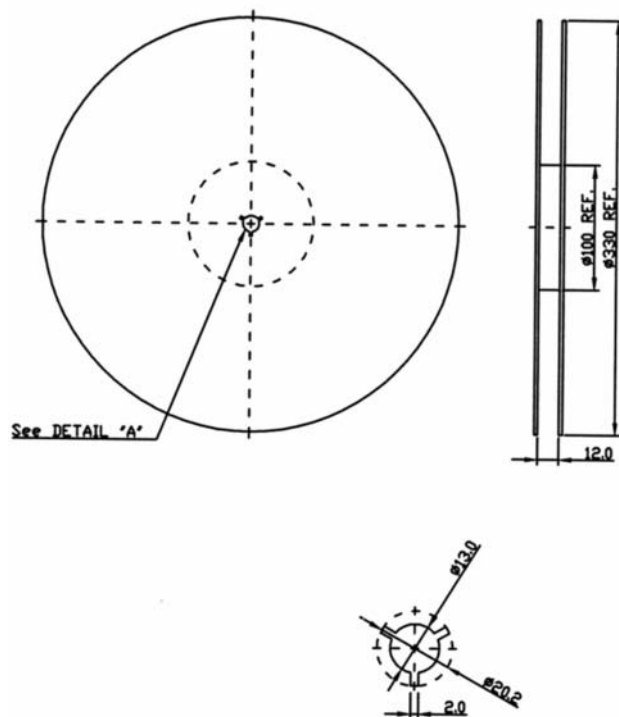
Unit : mm

F. PCB FOOTPRINT:

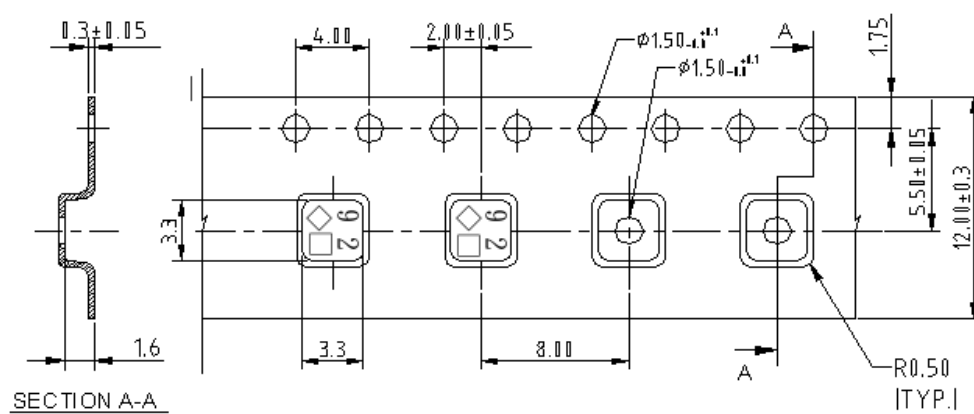


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE_:

