TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.
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Approval Sheet For Product Specification

Issued Date: Sep, 15, 2008

Product Name: SAW Filter 1210 MHz SMD 3.0X3.0 mm

TST Parts No.: TA0888A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Bob Chau _____

Approval by:_____ Francis Chen _____

Date:_____ 9, 15, 2008 _____

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SAW Filter 1210 MHz

MODEL NO.:TA0888A REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -50°C to +95°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (differential) : Zs = 150 Ω // 36 nH

Terminating load impedance (differential) : Z_L = 150 Ω // 36 nH

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	1210	-	-
Bandwidth at –2 dB	MHz	60	77	-	-
Insertion Loss in 1180~1240 MHz	dB	-	3.9	5	-
Amplitude ripple (1180 MHz ~ 1240 MHz)	dB	-	1	2	-
Phase error (1180 MHz ~ 1240 MHz) (3)	deg	-	3	5	-
I/O VSWR (1180 MHz ~ 1240 MHz)		-	1.6	2.5	-
CMDR (1180 MHz ~ 1240 MHz)	dB	22	25	-	-
Attenuation (1)					
50 ~ 1110 MHz	dB	44	49	-	-
1320 ~ 3000 MHz	dB	36	38.5	-	-
3000 ~ 4250 MHz	dB	35	41	-	-
4000 ~ 6000 MHz	dB	30	37	-	-

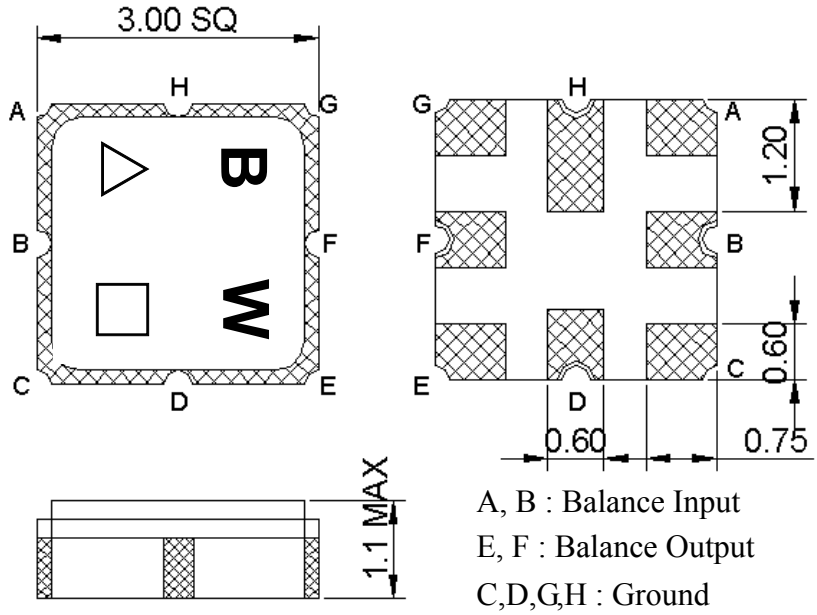
Notes :

(1) The amplitude reference is insertion loss at Fc.

(2) The amplitude ripple is defined as the max. level – min. level over any 36 MHz block of the given bandwidth.

(3) The phase error is measured over any 36 MHz block of the given bandwidth.

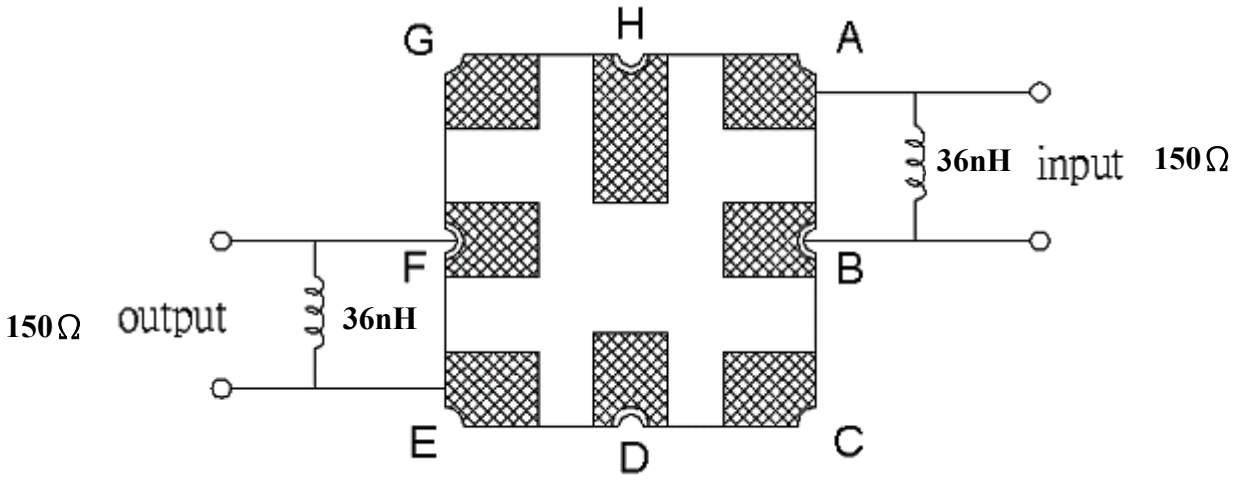
C.OUTLINE DRAWING:



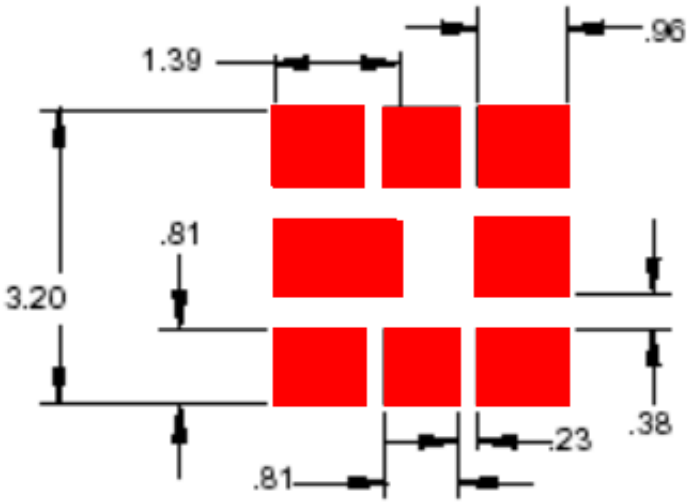
A, B : Balance Input
E, F : Balance Output
C,D,G,H : Ground
Unit : mm

△ : Year Code (2006->6, …, 2009->9)
□ : Date Code (Follow the table from planner each year)

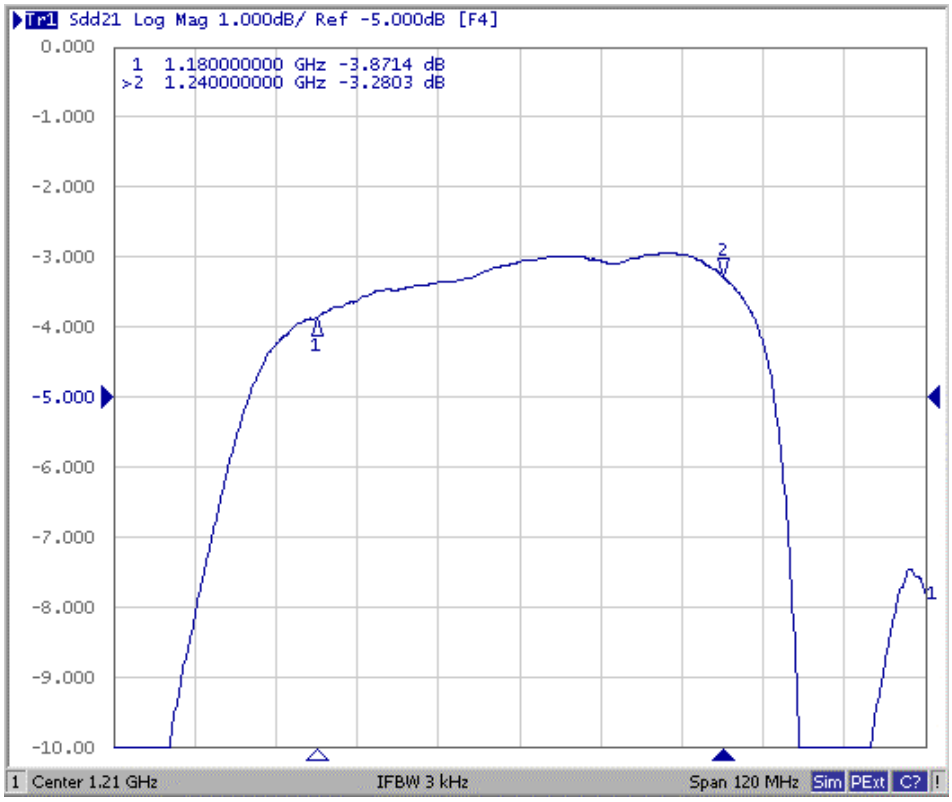
D. MEASUREMENT CIRCUIT:

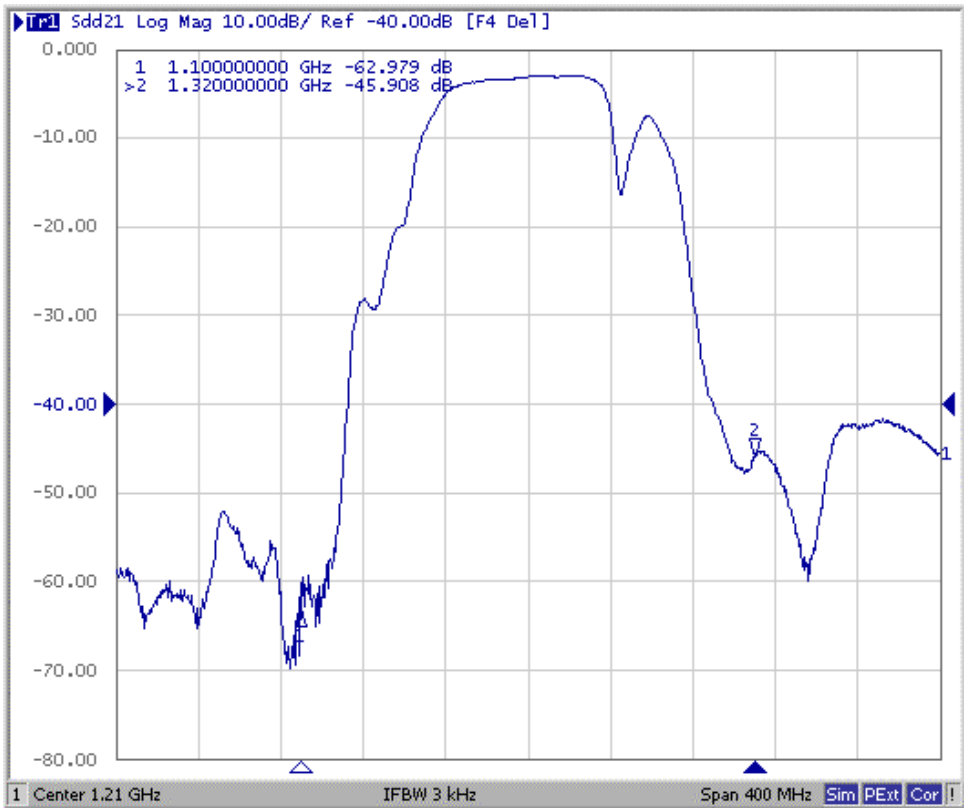


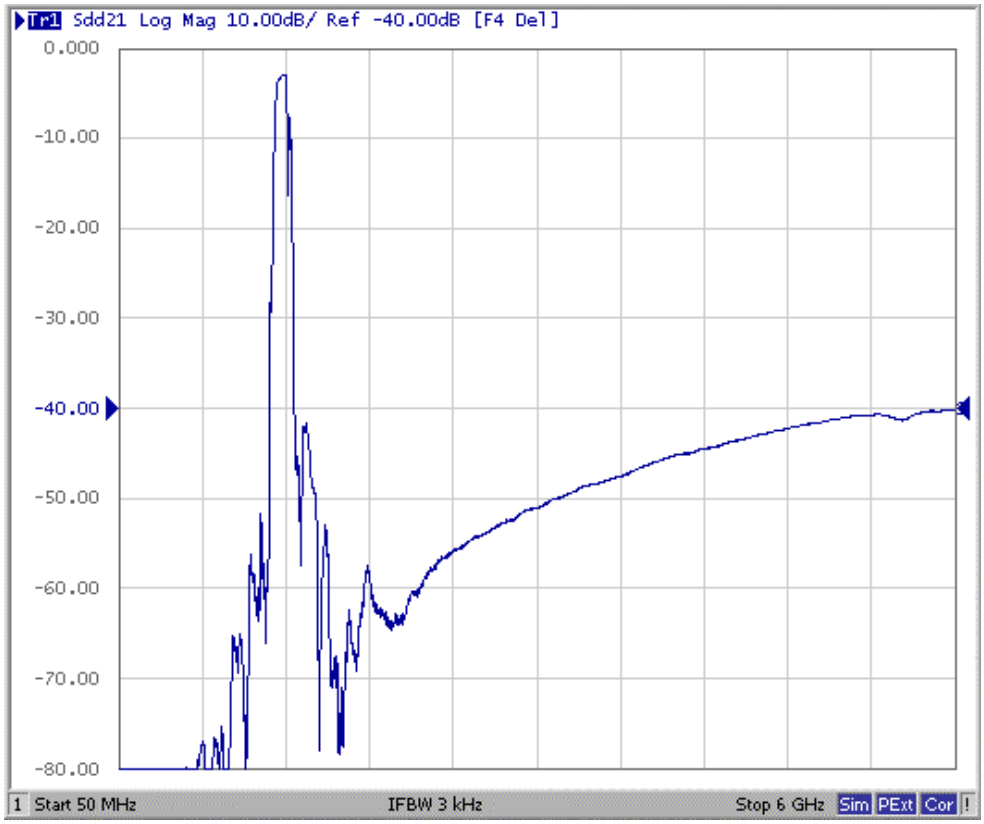
E. PCB Footprint:



F. Frequency Characteristics :

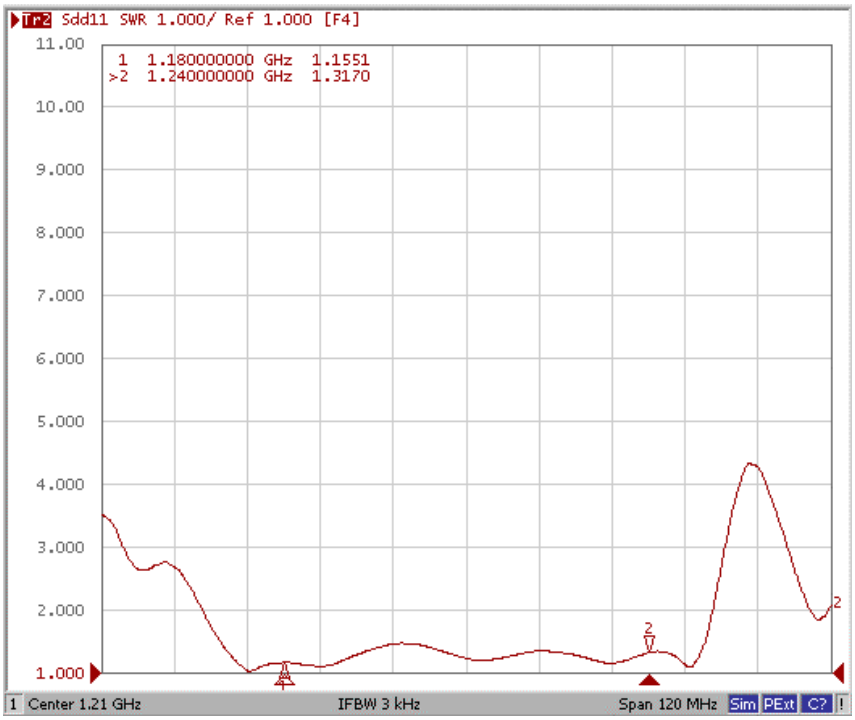




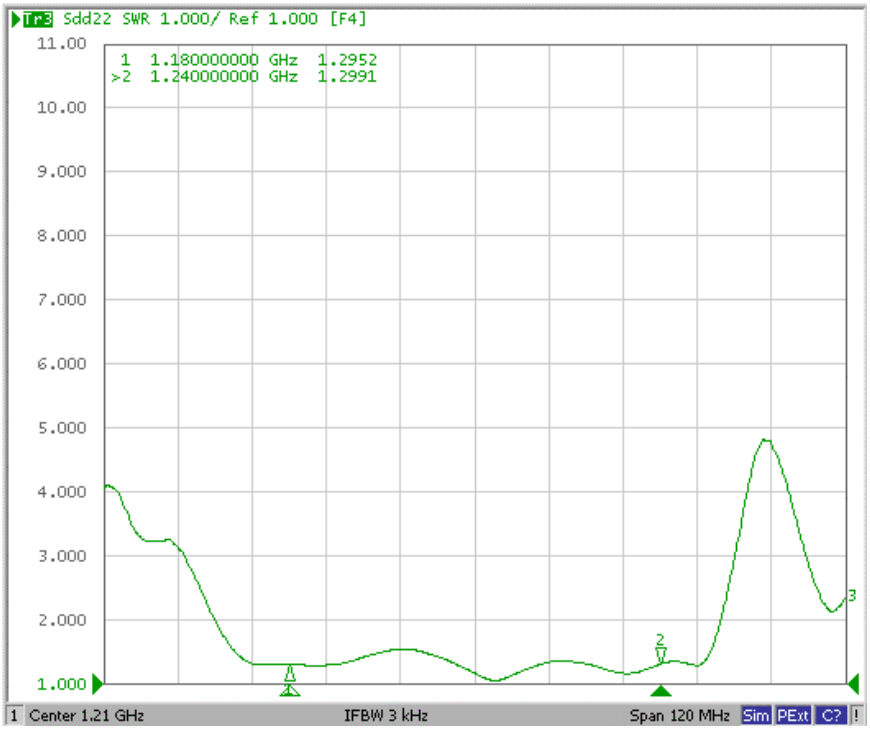

Tr1 Sdd21 Log Mag 10.00dB/ Ref -40.00dB [F4 Del]
0.000
-10.00
-20.00
-30.00
-40.00
-50.00
-60.00
-70.00
-80.00
1 Start 50 MHz
IFBW 3 kHz
Stop 6 GHz
Sim PExt Cor !

Reflection Functions :

S11



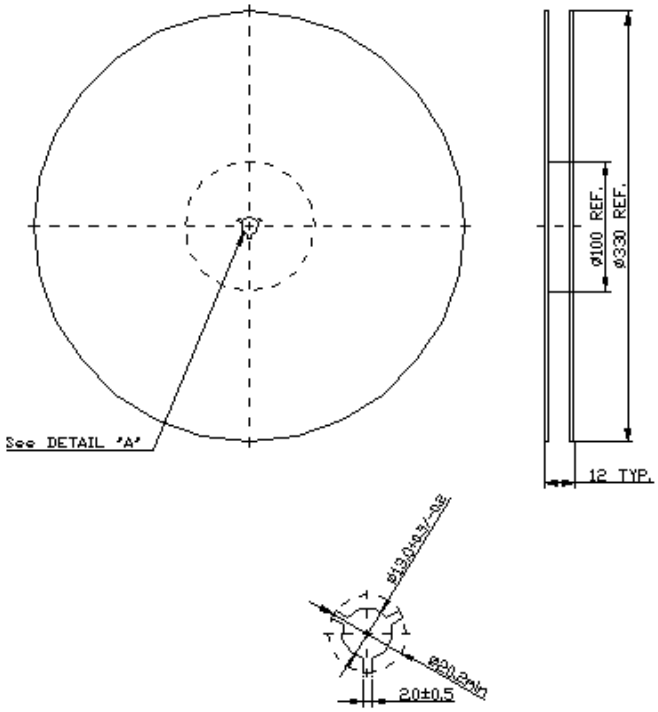
S22



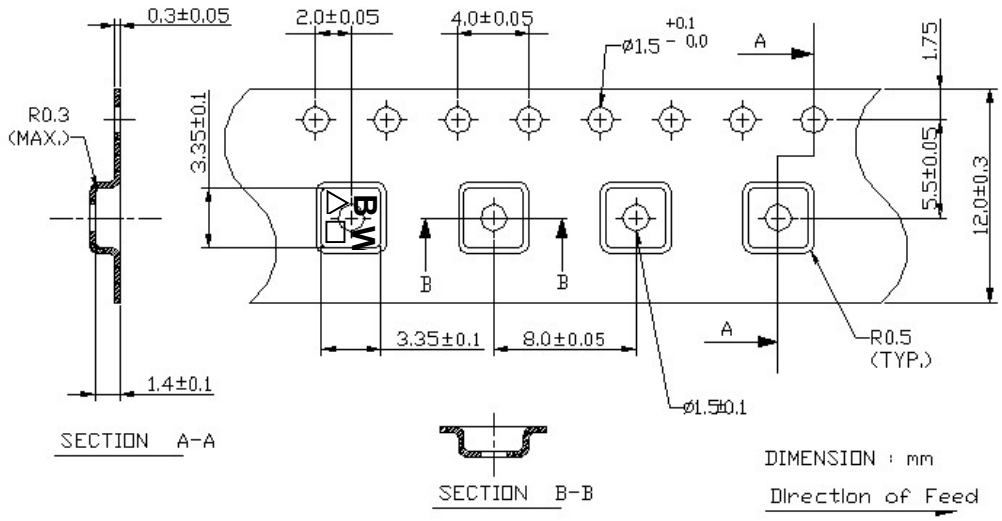
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7”=1000 ; 13”=3000)



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :