



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date: Apr, 16, 2009

Product Name: SAW Filter 1575 MHz SMD 3.0X3.0 mm

TST Parts No.: TA1021A

Customer Parts No.: _____

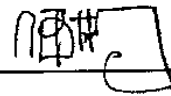
Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Bob Chau 

Approval by: _____ Francis Chen 

Date: _____ 4, 16, 2009



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SAW Filter 1575 MHz

MODEL NO.:TA1021A

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: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

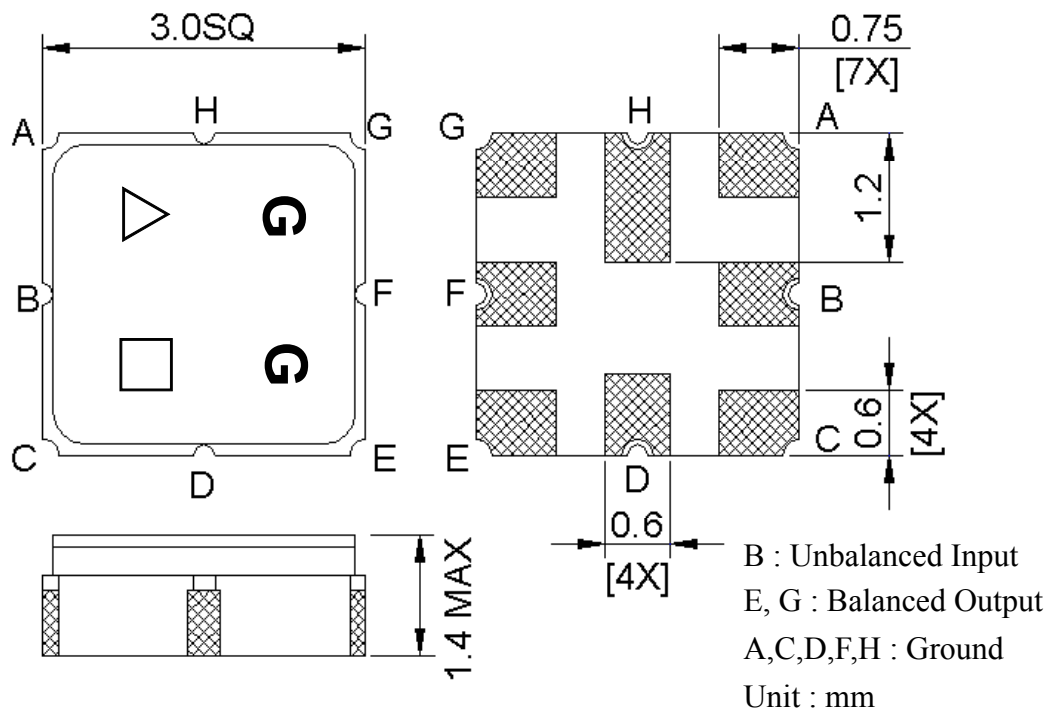
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (Unbalanced) : $Z_s = 50 \Omega$

Terminating load impedance (Balanced) : $Z_L = 50 \Omega$

Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	1575	-	-
Insertion Loss (1565~1585 MHz) IL	dB	-	2.7	4.5	-
Amplitude Ripple (1565~1585 MHz)	dB	-	0.4	1.5	-
Attenuation (Reference level from 0 dB)					
0 ~ 1000 MHz	dB	32	34	-	-
1000 ~ 1435 MHz	dB	32	34.5	-	-
1435 ~ 1525 MHz	dB	22	24	-	-
1525 ~ 1540 MHz	dB	7	21	-	-
1610 ~ 1625 MHz	dB	7	16	-	-
1625 ~ 1715 MHz	dB	22	25.5	-	-
1715 ~ 1785 MHz	dB	34	39	-	-
1785 ~ 2100 MHz	dB	30	34	-	-
2100 ~ 2200 MHz	dB	25	26.5	-	-
2200 ~ 2500 MHz	dB	27	34	-	-
2500 ~ 4000 MHz	dB	18	32	-	-

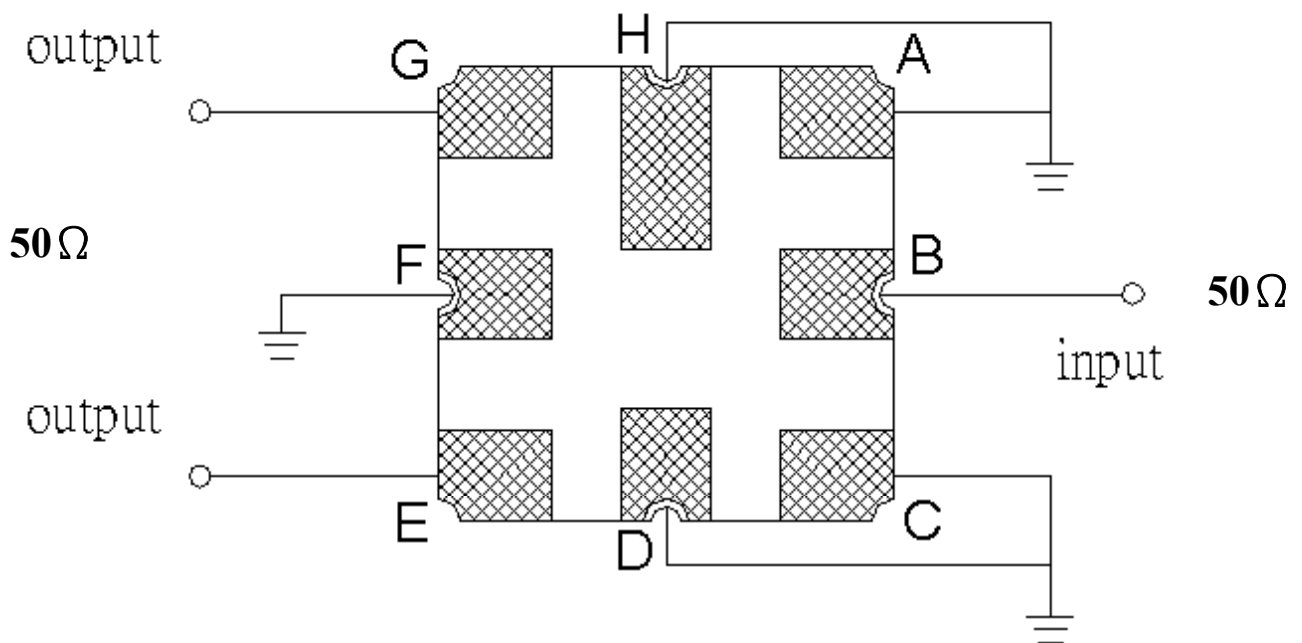
C.OUTLINE DRAWING:



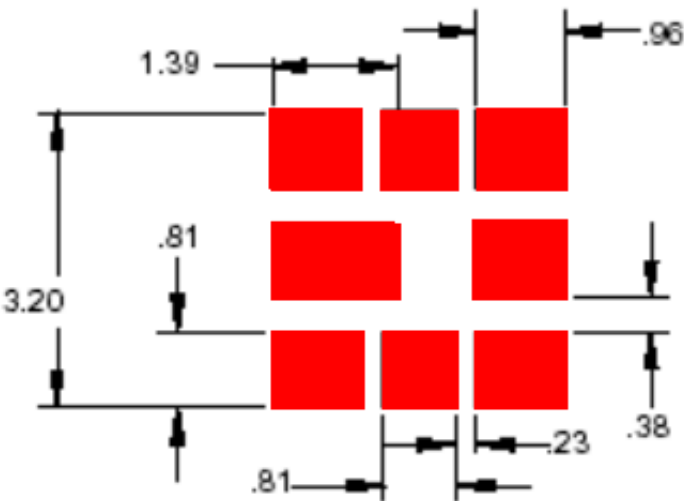
△ : Year Code (2006->6, ..., 2009->9)

□ : Date Code (W01->A, W02->B,...,W27->a,...,W52->z)

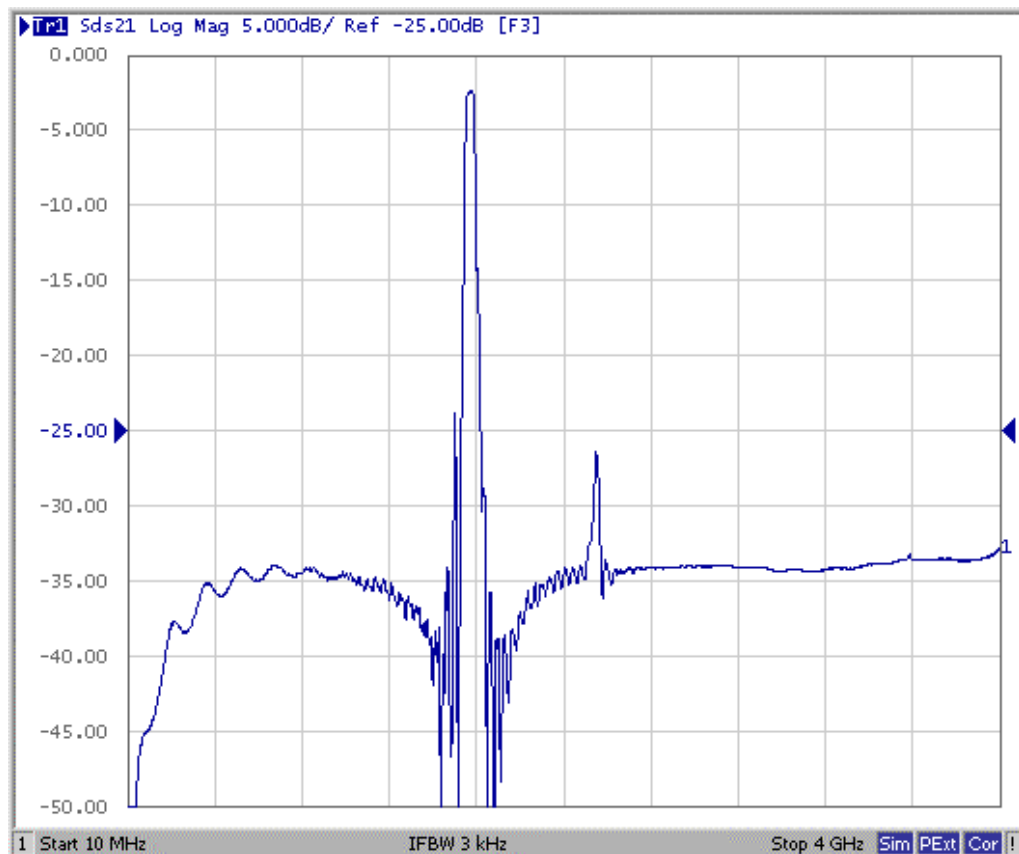
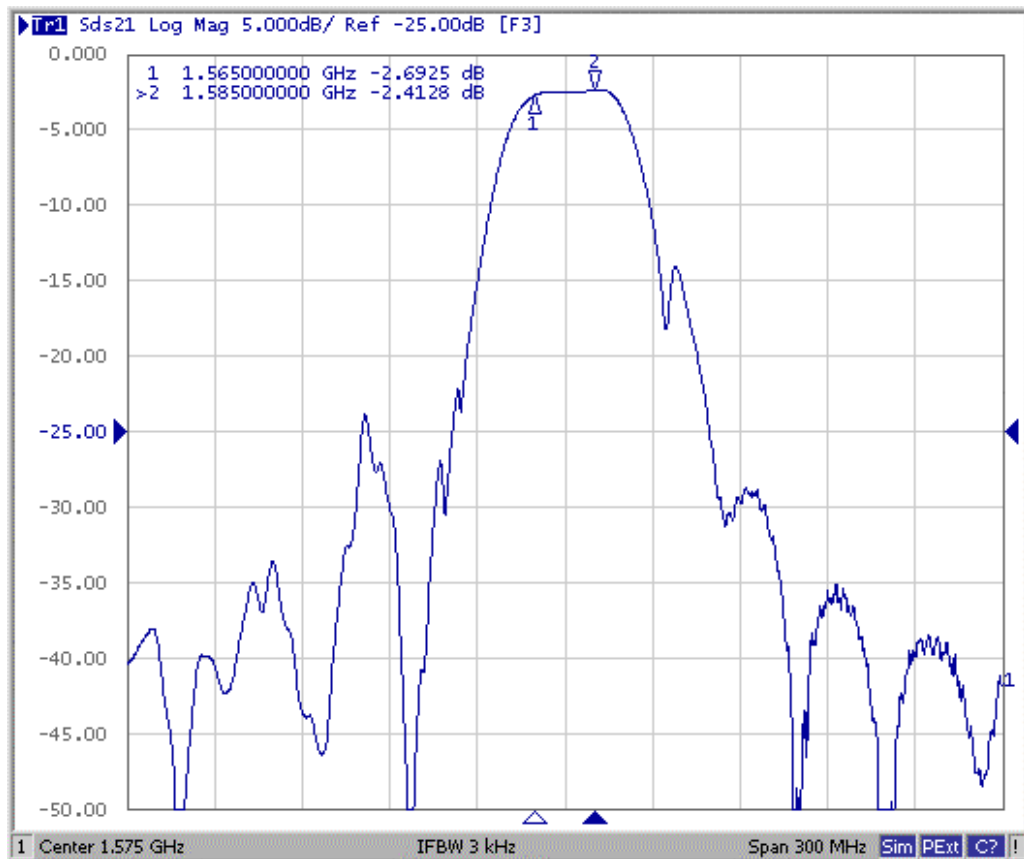
D. MEASUREMENT CIRCUIT:



E. PCB Footprint:



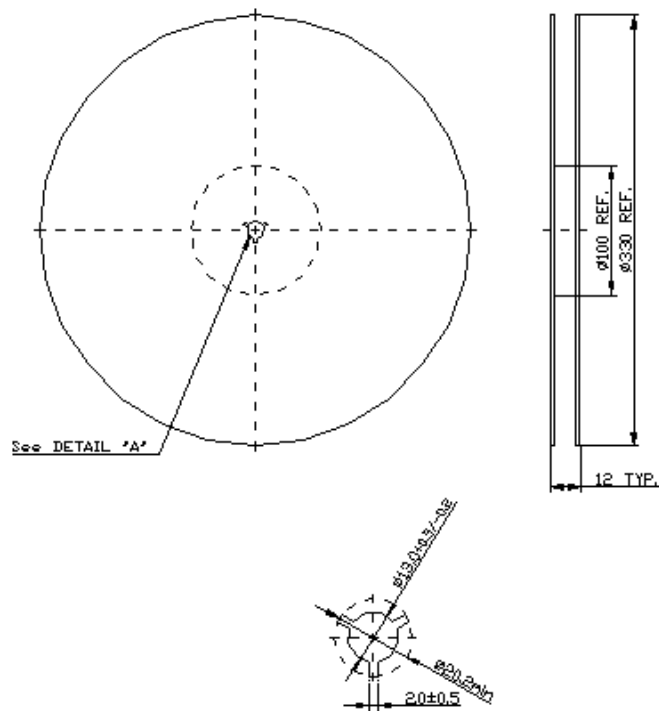
F. Frequency Characteristics :



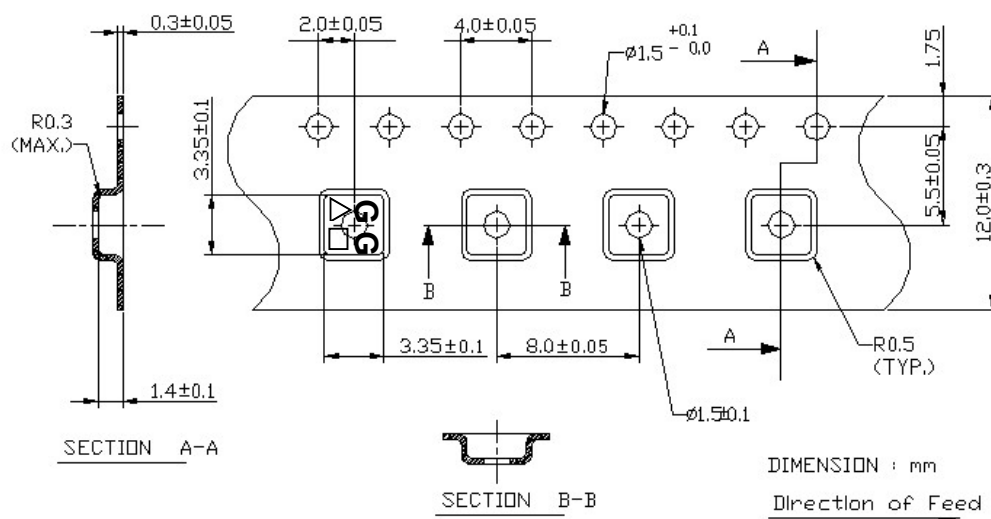
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7''=1000 ; 13''=3000)



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

