



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

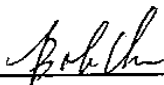
Issued Date: Apr, 16, 2009

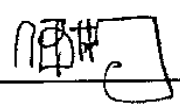
Product Name: SAW Filter 1575 MHz SMD 3.0X3.0 mm

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

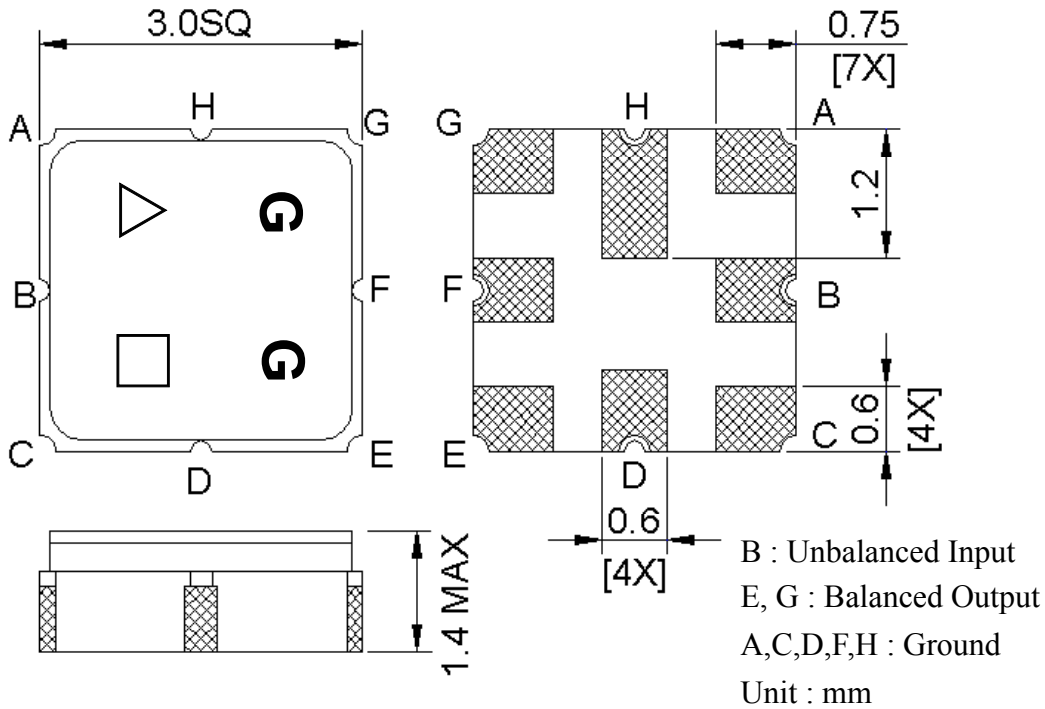
B. ELECTRICAL CHARACTERISTICS:

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 | - | - |

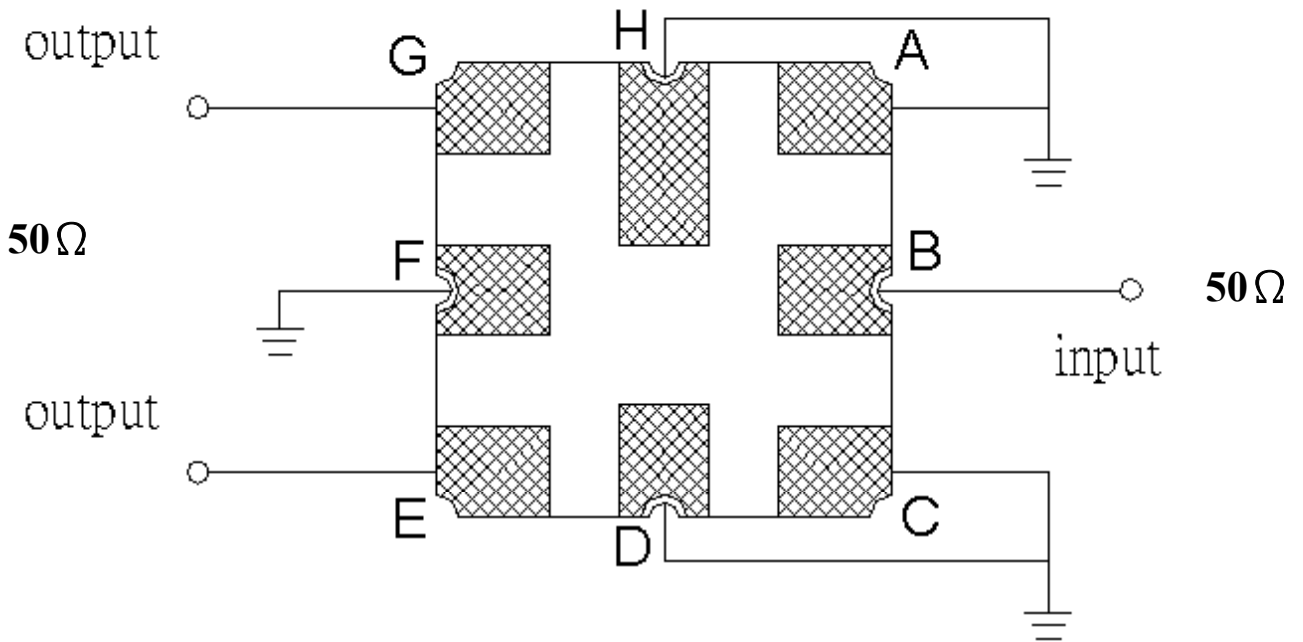
C.OUTLINE DRAWING:



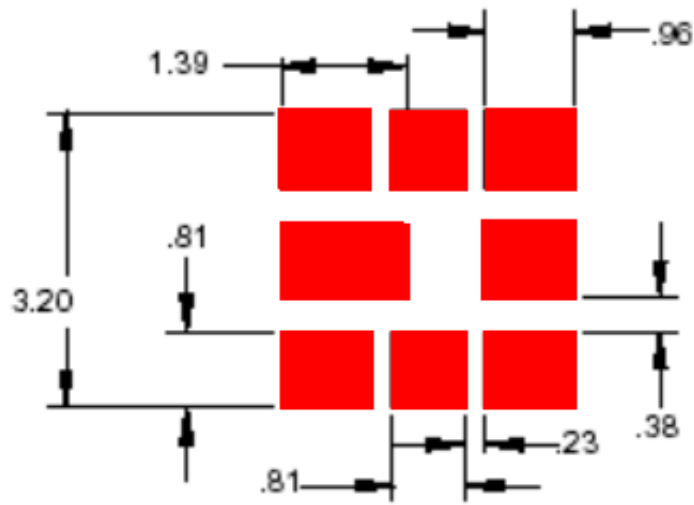
△ : Year Code (2006->6, ..., 2009->9)

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

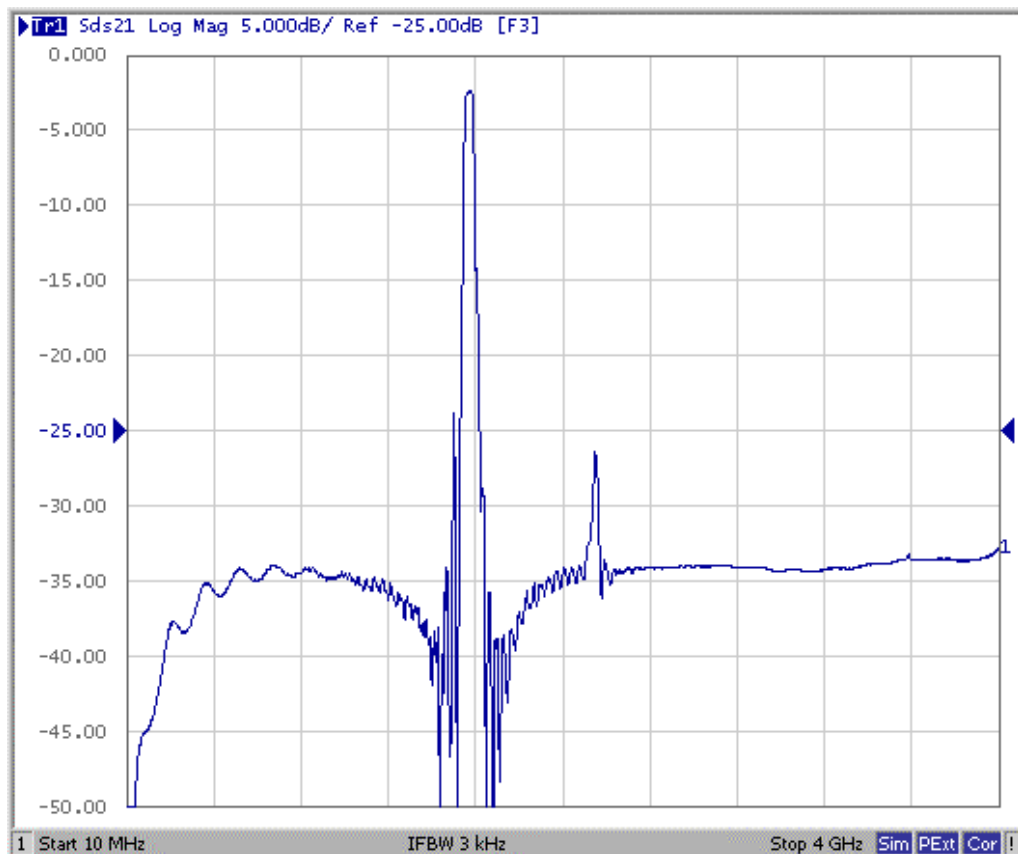
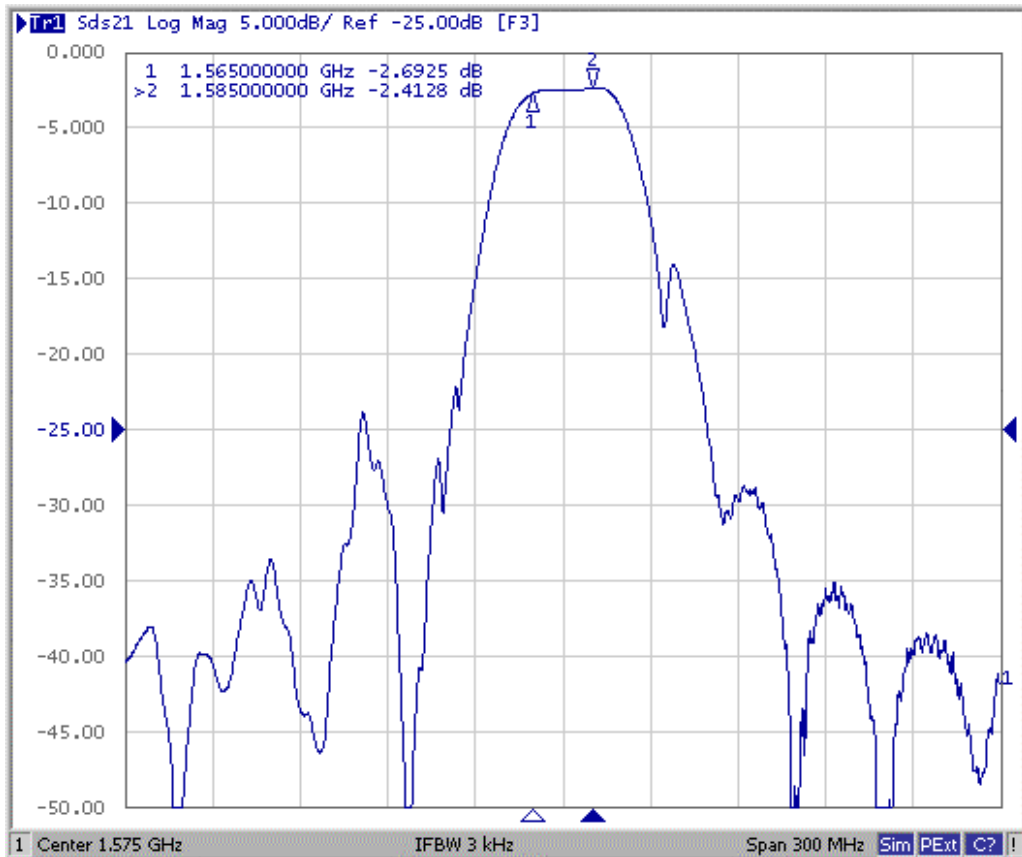
D. MEASUREMENT CIRCUIT:



E. PCB Footprint:



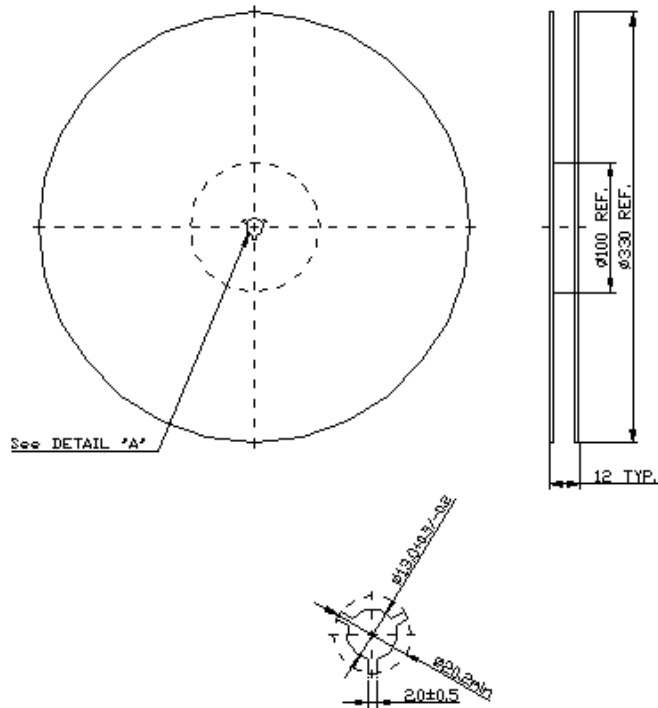
F. Frequency Characteristics :



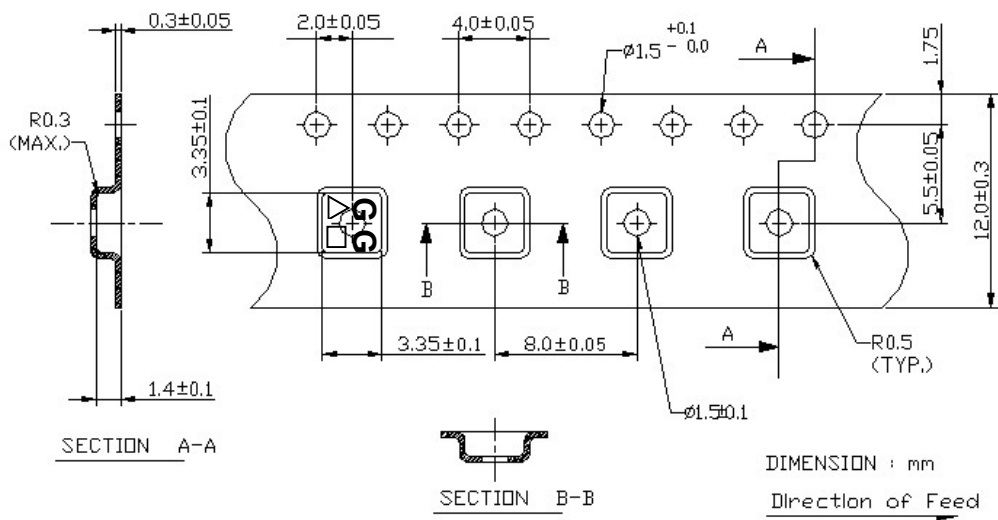
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

