



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Approval Sheet For Product Specification

Issued Date: Apr, 28, 2009

Product Name: SAW Filter 742.5 MHz SMD 3.8X3.8 mm

TST Parts No.: TA1016A

Customer Parts No.: _____

| |
|---------------------|
| Company: _____ |
| Division: _____ |
| Approved by : _____ |
| Date: _____ |

Checked by: _____ Bob Chau 

Approval by: _____ Francis Chen 

Date: _____ 4, 28, 2009



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SAW Filter 742.5 MHz

MODEL NO.:TA1016A

REV. NO.:1

A. MAXIMUM RATING:

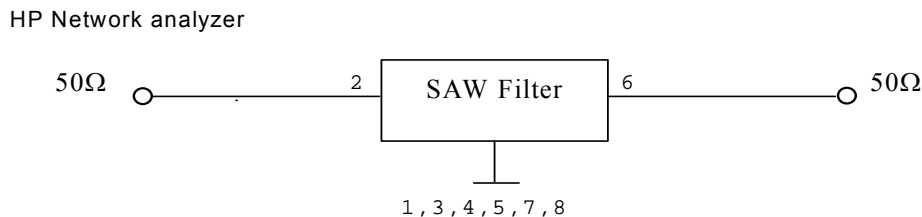
1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

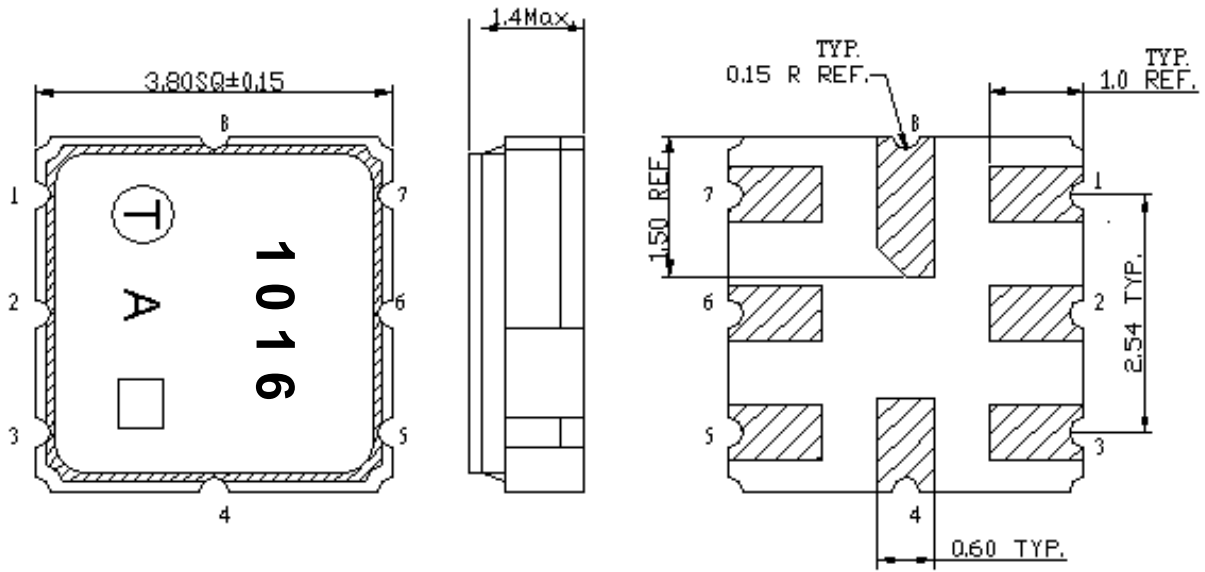
B. ELECTRICAL CHARACTERISTICS:

| Item | Unit | Min. | Typ. | Max. | Note |
|---|--------|------|-------|------|------|
| Center Frequency Fc | MHz | - | 742.5 | - | - |
| Insertion loss (727~758 MHz) IL | dB | - | 2.3 | 4 | - |
| Bandwidth @ -2.5dB | MHz | 31 | 37 | - | - |
| Amplitude Ripple (less than 2.0 dB in any 11MHz portion of the specified band) | dB | - | 0.7 | 2.5 | - |
| Attenuation (Reference level from 0 dB) | | | | | |
| 300 ~ 650 MHz | dB | 28 | 55 | - | - |
| 698 ~ 716 MHz | dB | 10 | 45 | - | - |
| 776 ~ 787 MHz | dB | 10 | 31 | - | - |
| 840 ~ 1050 MHz | dB | 28 | 49 | - | - |
| Temperature Coefficient of Frequency | Ppm/°C | - | -36 | - | - |

C. MEASUREMENT CIRCUIT:

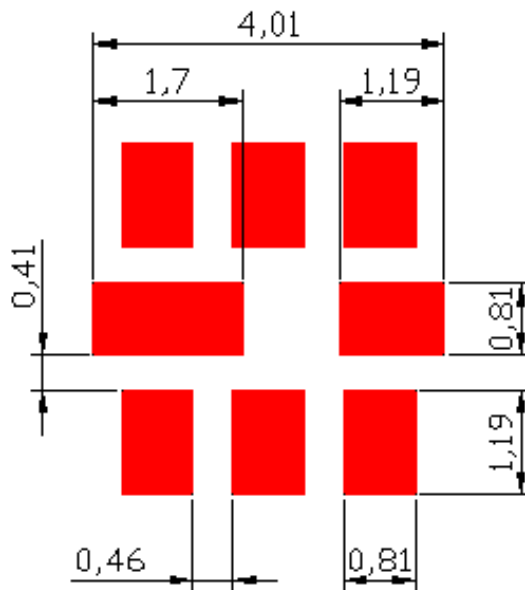


D.OUTLINE DRAWING:

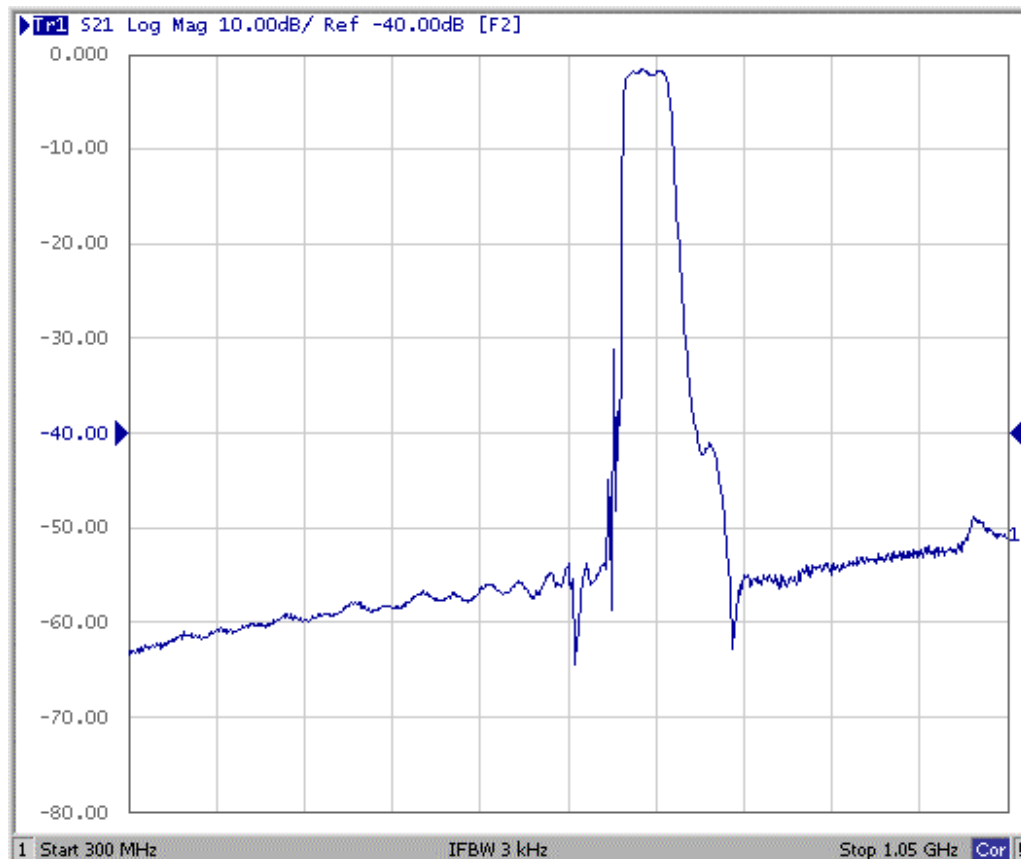
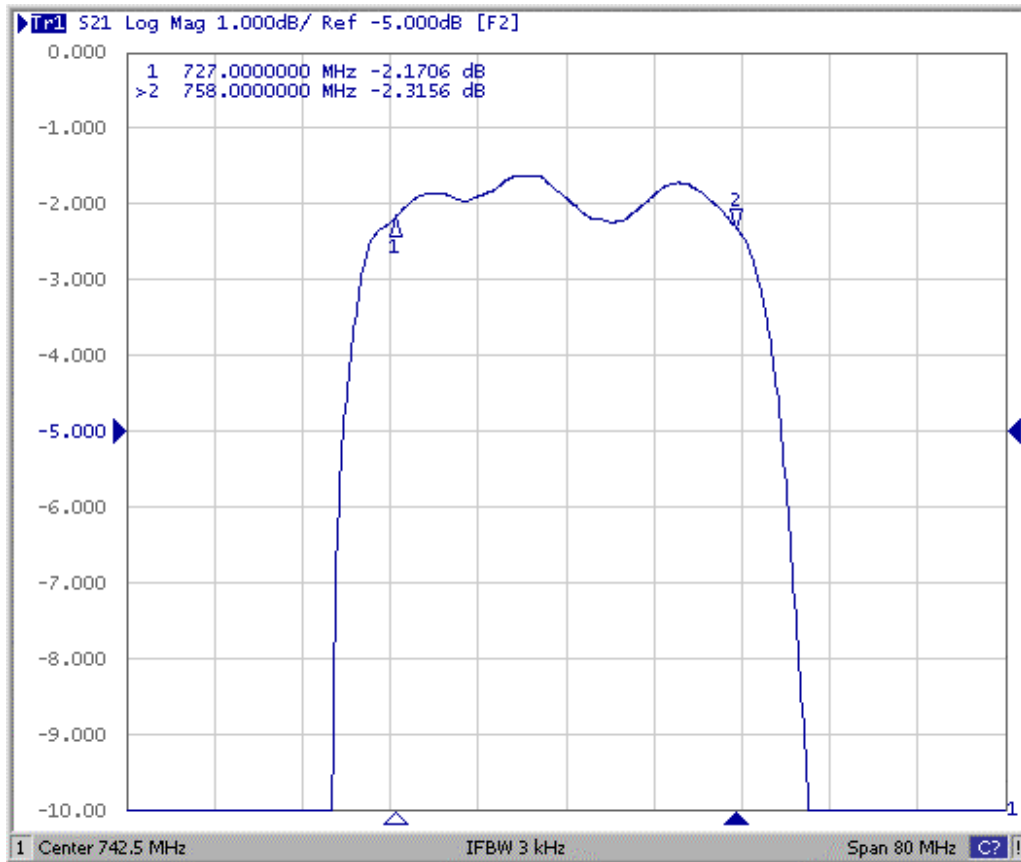


- 2 : Input
- 6: Output
- 1,3,4,5,7,8: Ground
- : Date Code (W01->A, W02->B,...W52->z)
- Unit: mm

E. PCB Footprint:



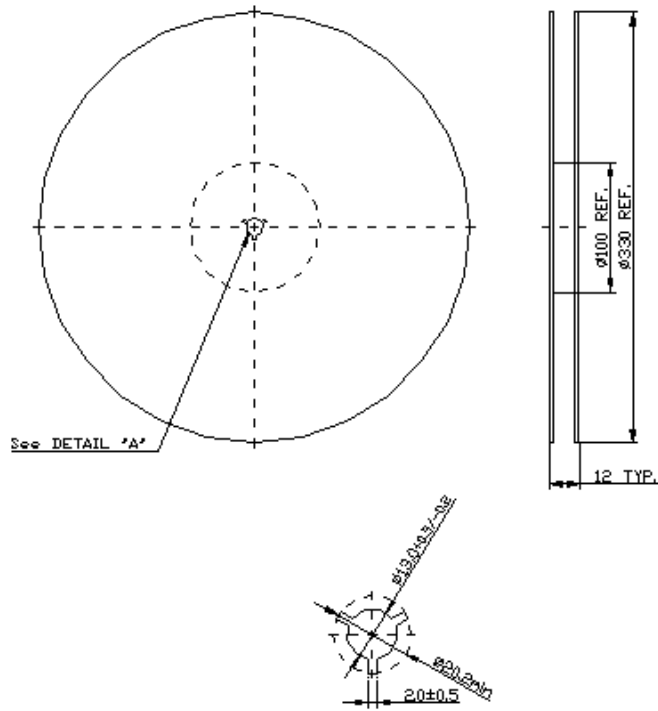
F. Frequency Characteristics :



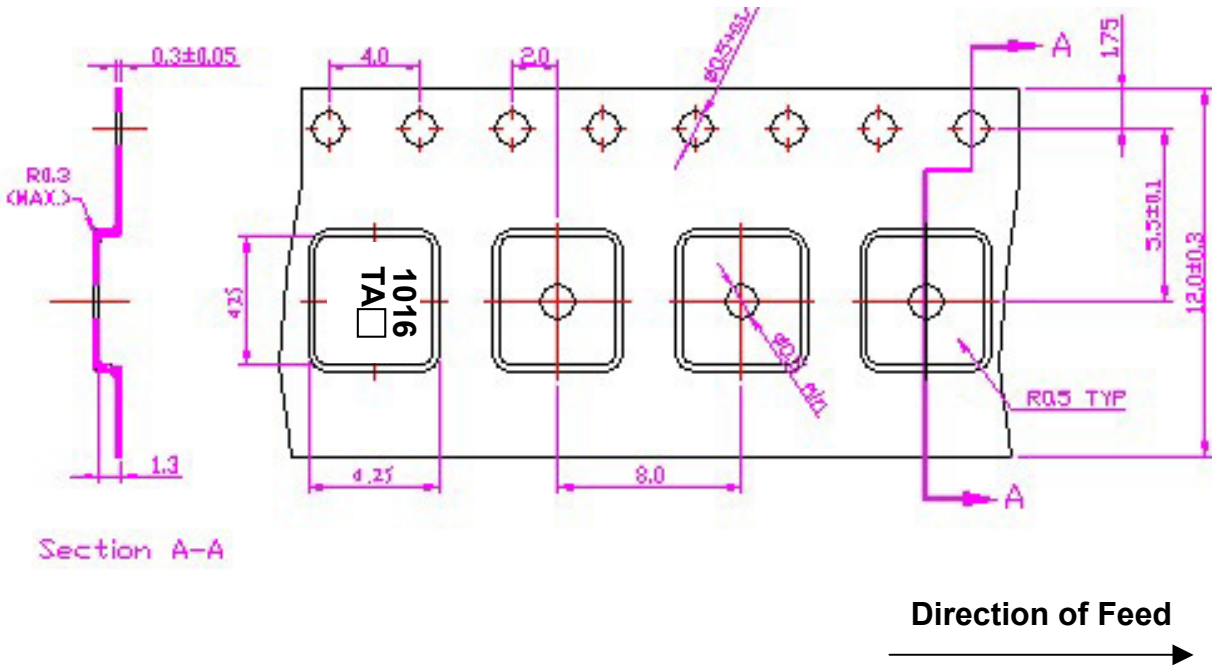
G. PACKING:

1. REEL DIMENSION

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



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

