



# 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

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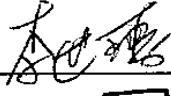
## Product Specifications Approval Sheet


Product Description: SAW Filter 1600 MHz SMD 3.0X3.0 mm

TST Part No.: TA1172A

Customer Part No.: \_\_\_\_\_

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: \_\_\_\_\_ Kazuma Lee 

Approved by: \_\_\_\_\_ Francis Chen 

Date: \_\_\_\_\_ 02, 23, 2010

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.



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## SAW Filter 1600 MHz

MODEL NO.:TA1172A

REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: +10 dBm
2. DC Voltage : 3V
3. Operating Temperature: 0°C to +50°C
4. Storage Temperature: -40°C to +85°C

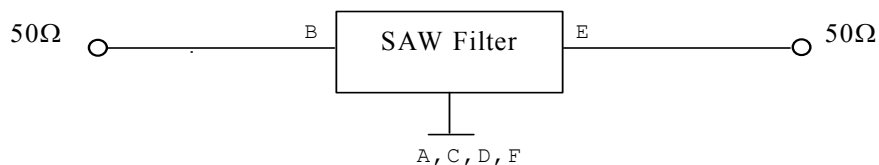
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

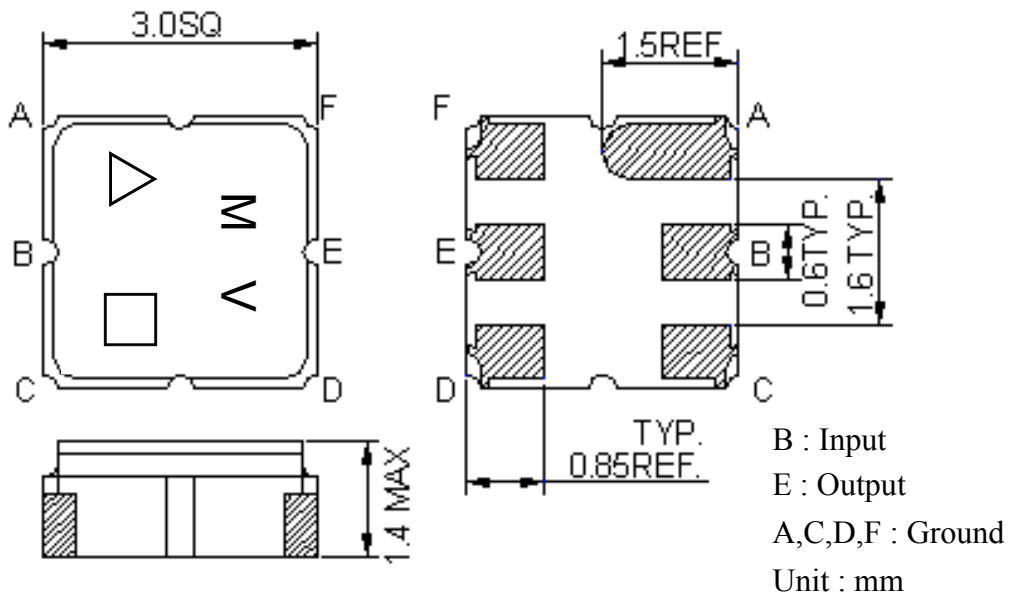
Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	1600	-	-
Insertion Loss (1597.5~1602.5 MHz) IL	dB	-	2.8	4	-
Amplitude Ripple (1597.5~1602.5 MHz)	dB	-	0.1	1.0	-
-1dB Bandwidth	MHz	5	42	-	-
VSWR (1597.5~1602.5 MHz)		-	1.6	2.1	-
Attenuation (Reference level from 0 dB)					
DC ~ 100 MHz	dB	60	70	-	-
100 ~ 1532 MHz	dB	40	50	-	-
1532 ~ 1538 MHz	dB	30	50	-	-
1661 ~ 1668 MHz	dB	30	47	-	-
1668 ~ 2500 MHz	dB	40	48	-	-

### C. MEASUREMENT CIRCUIT:

HP Network analyzer



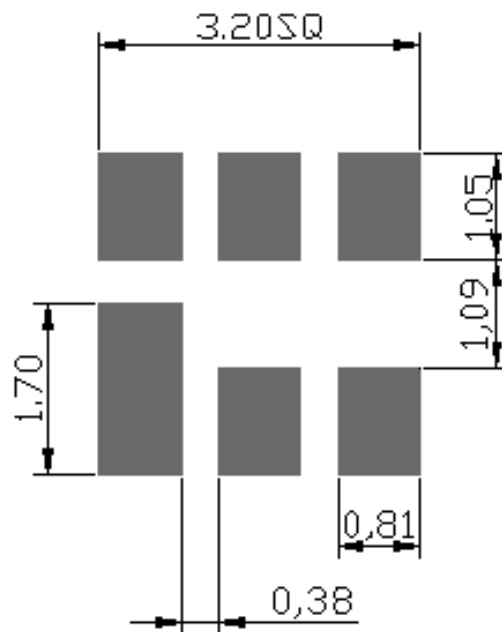
**D.OUTLINE DRAWING:**



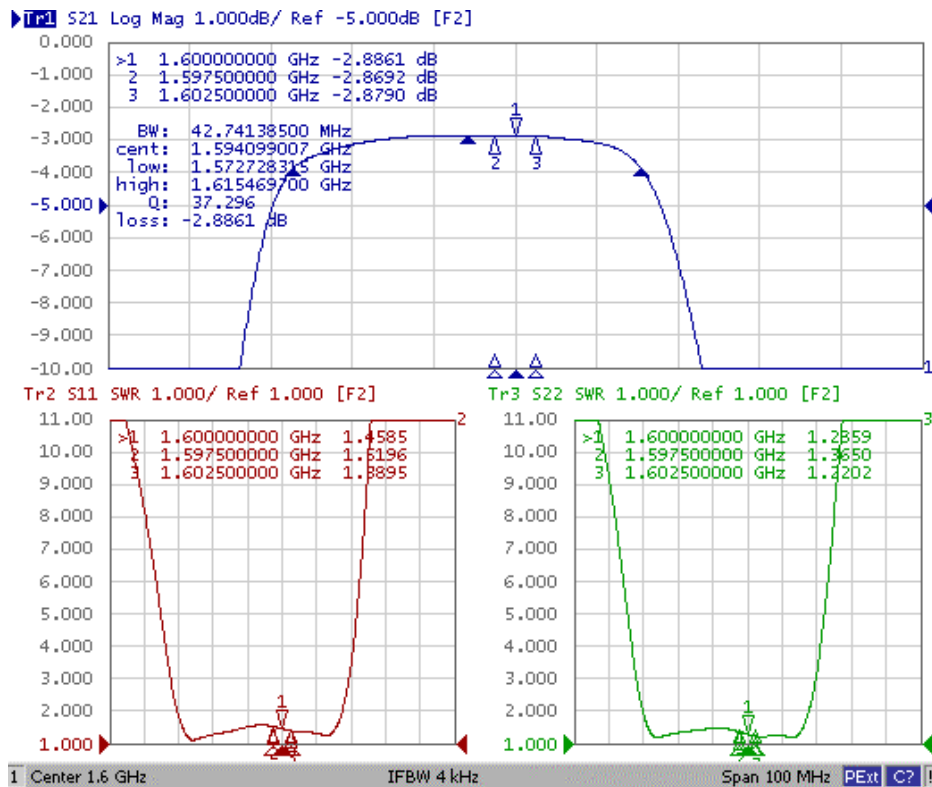
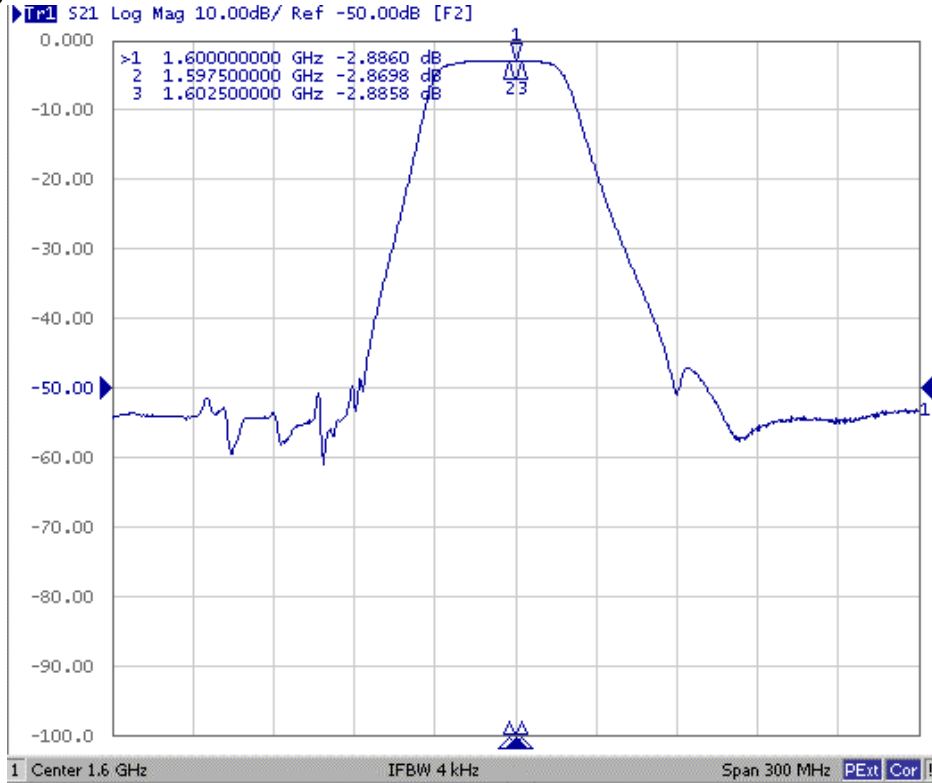
△ : Year Code (2006->6, ..., 2009->9)

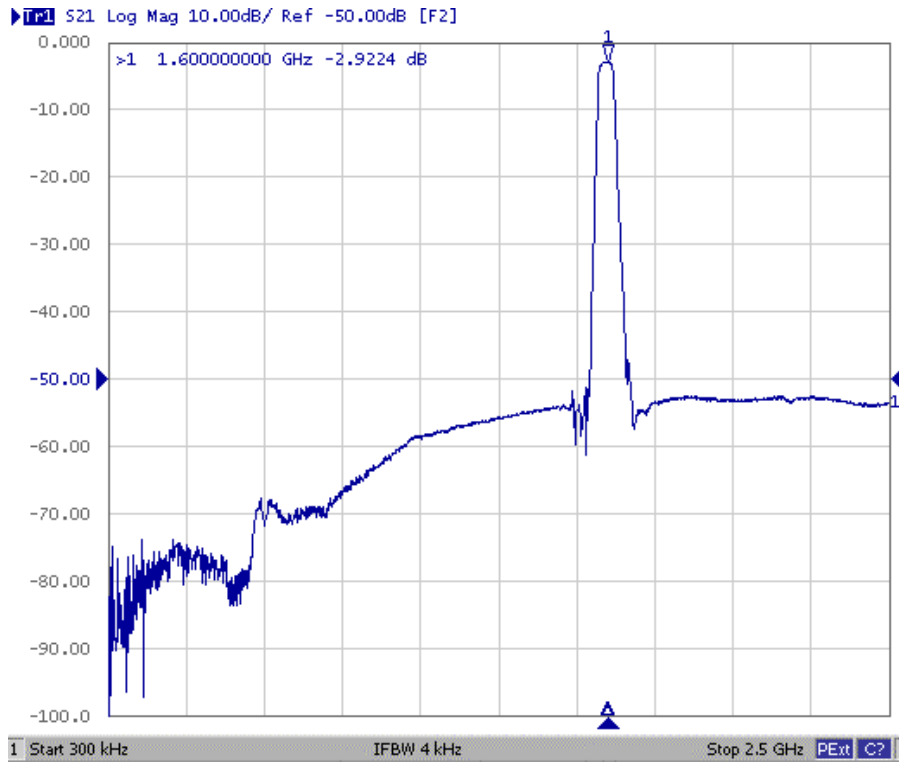
□ : Date Code (W01->A, W02->B, ..., W27->a, ..., W52->z)

**E. PCB Footprint:**



## F. Frequency Characteristics :

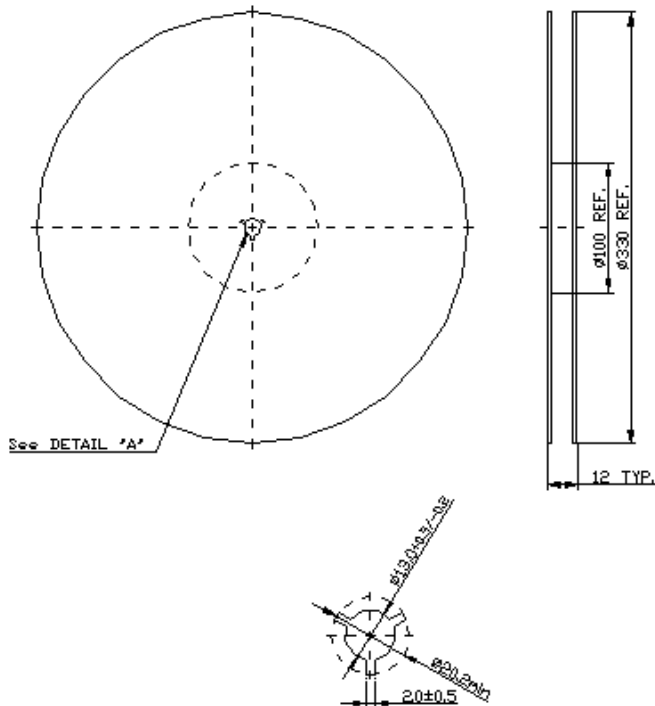




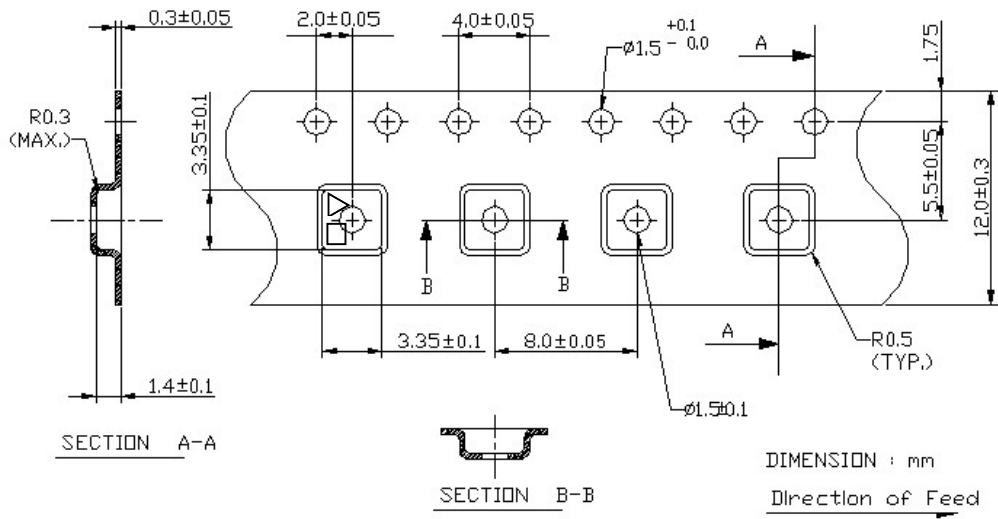
**G. PACKING:**

**1. REEL DIMENSION**

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



## 2.TAPE DIMENSION



## H. RECOMMENDED REFLOW PROFILE :

