



# 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

E-mail: [tstsales@mail.taisaw.com](mailto:tstsales@mail.taisaw.com) Web: [www.taisaw.com](http://www.taisaw.com)

## Product Specifications Approval Sheet

Product Description: SAW Filter 1575.42 MHz SMD 2.0x1.6 mm

TST Part No.: TA1185A

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

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

Checked by: \_\_\_\_\_ David Chang 張閱智

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

Date: \_\_\_\_\_ 2010/10/22

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 1575.42 MHz

MODEL NO.: TA1185A

REV. NO.:2

### A. MAXIMUM RATING:

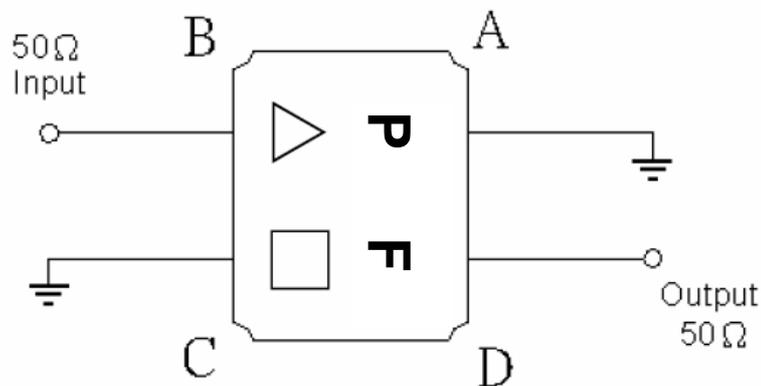
1. Input Power Level: 20 dB<sub>m</sub>
2. DC voltage: 3 V
3. Operating Temperature: -55°C to +105°C
4. Storage Temperature: -55°C to +105°C

RoHS Compliant  
Lead free  
Lead-free soldering

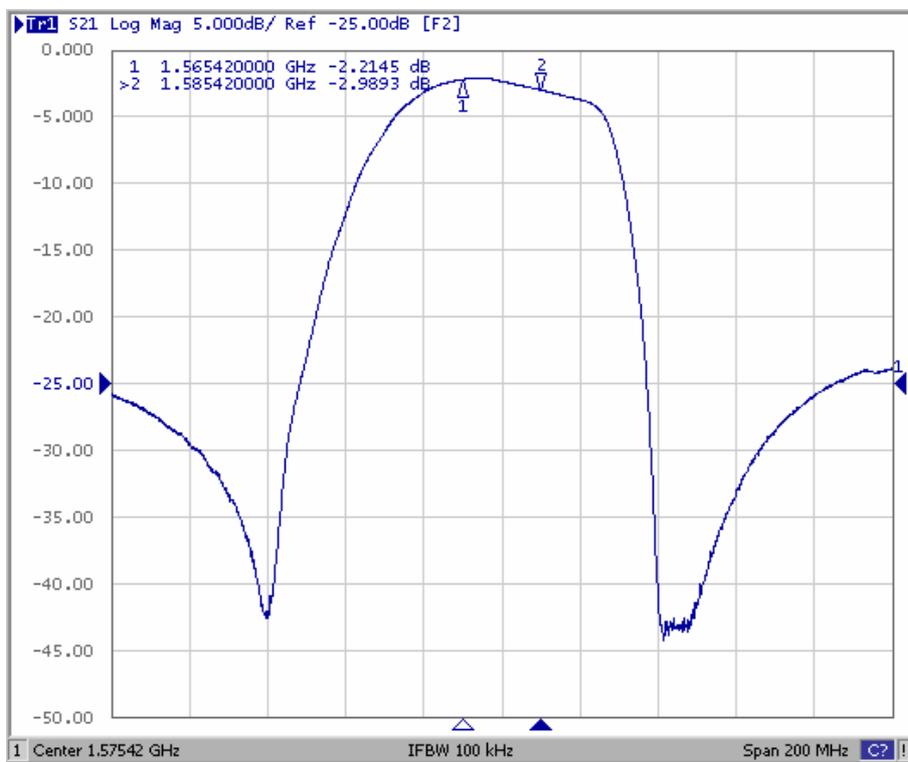
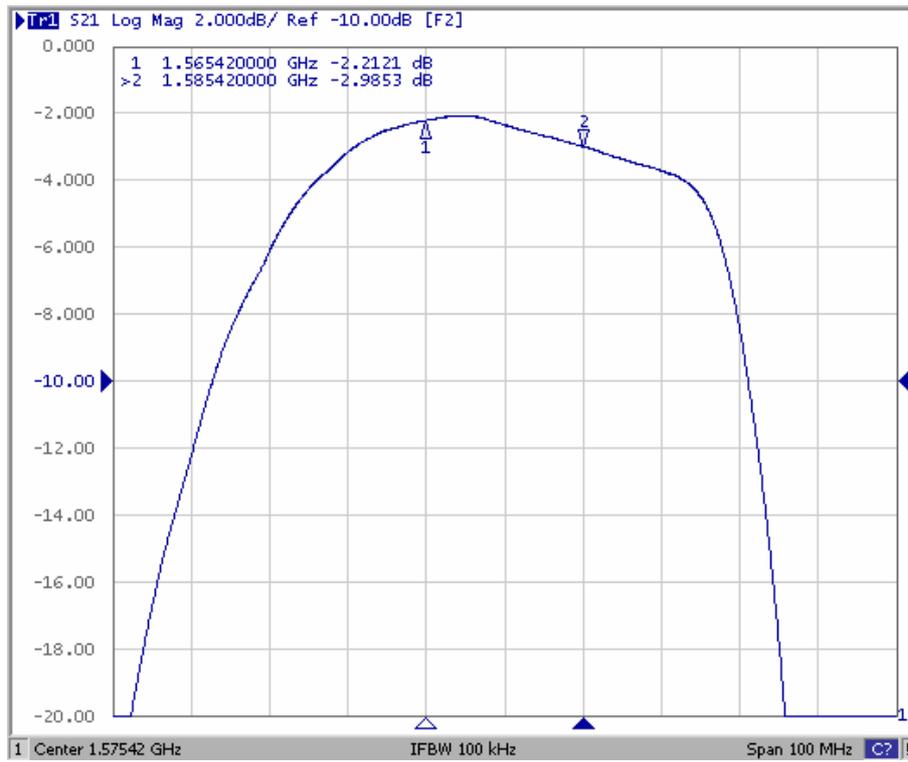
### B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	
Center frequency	F <sub>c</sub>	MHz	-	1575.42	-
Minimum Insertion Loss	IL <sub>min</sub>	dB	-	2.1	3
Bandwidth @ -3 dB		MHz	20	53	-
Amplitude Ripple (1565.42~1585.42 MHz)		dB	-	1.3	2
Return Loss (1565.42~1585.42 MHz)		dB	8	11	-
Group Delay (1565.42~1585.42 MHz)		ns	-	4	26
Group Delay Ripple (1565.42~1585.42 MHz)		ns	-	33	45
<b>Attenuation</b> (Reference level from 0 dB)					
300 ~ 1500 MHz		dB	15	19	-
1650 ~ 1900 MHz		dB	15	21	-
1900 ~ 3000 MHz		dB	15	21	-

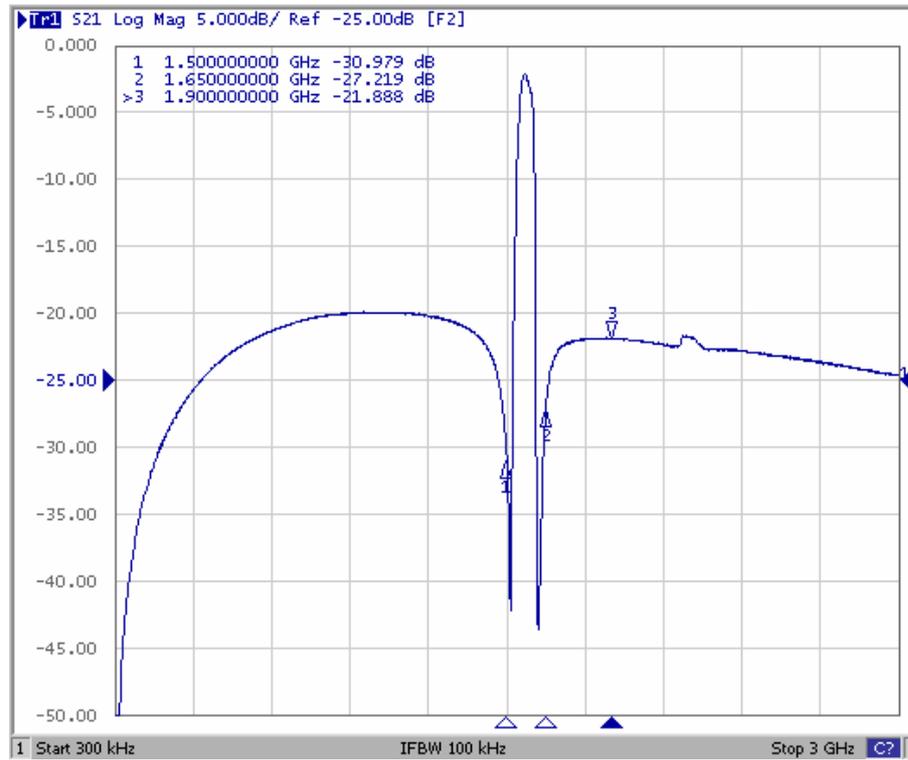
### C. MEASUREMENT CIRCUIT:



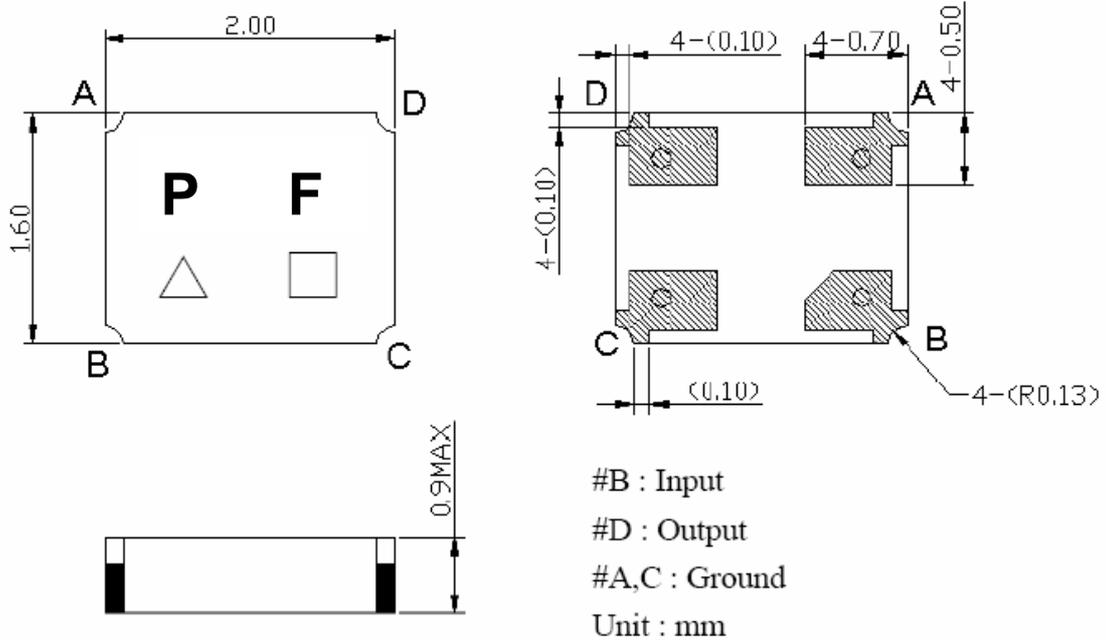
## D. Frequency Characteristics :



(wideband)



**E.OUTLINE DRAWING:**

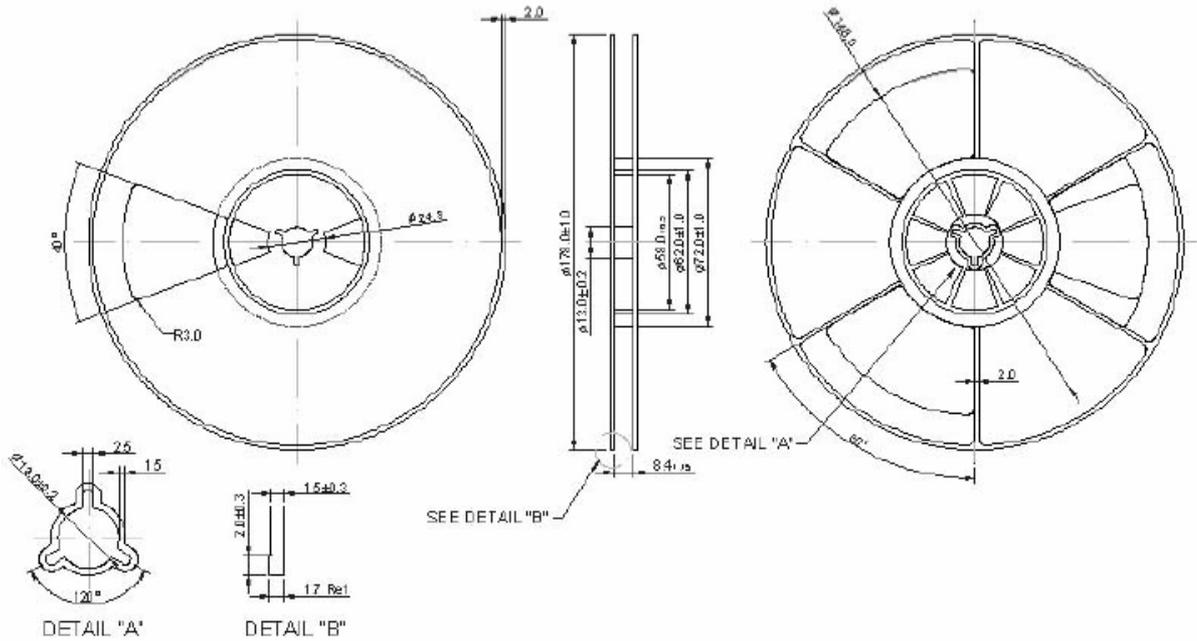


- △ : Year Code (2006->6, ..., 2009->9)
- : Date Code (Follow the table from planner each year)

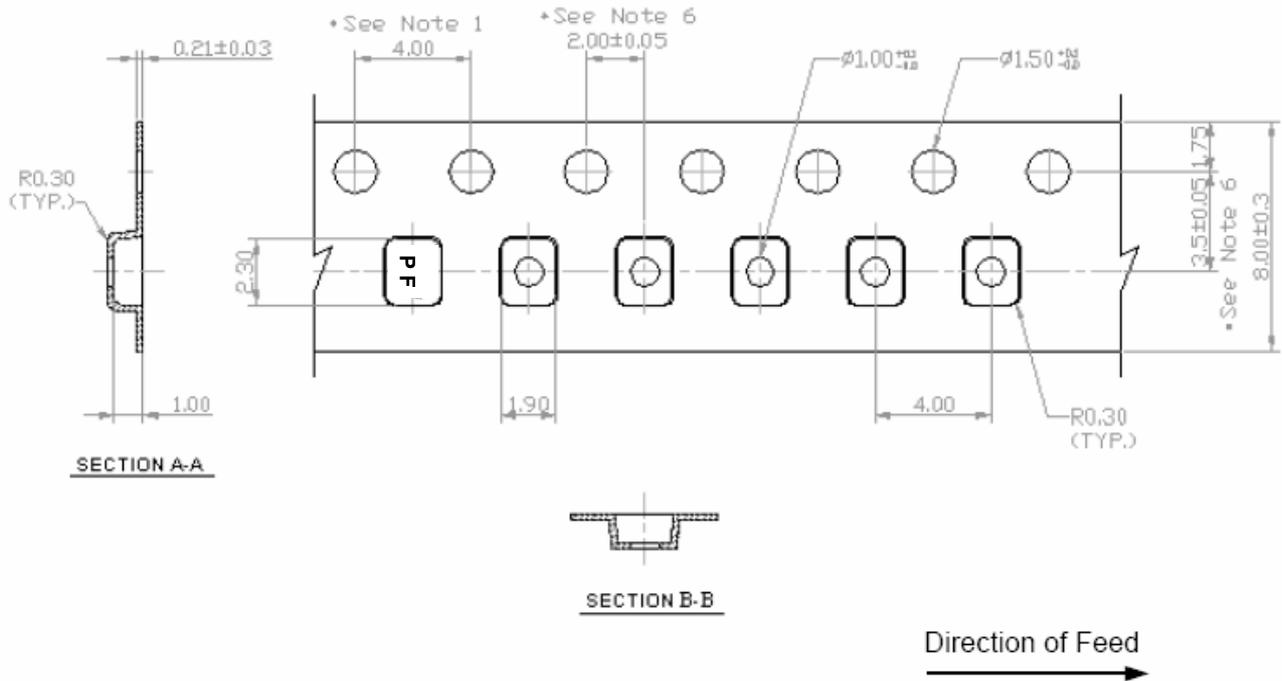
## F. PACKING:

### 1. REEL DIMENSION

( Reel Count : 7"=2000 typ. ; 13"=10000 typ.)



### 2. TAPE DIMENSION



**G. RECOMMENDED REFLOW PROFILE :**

