**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 Web: www.taisaw.com

# Product Specifications Approval Sheet

Product Description: SAW Filter 2441.8MHz 83.5MHz BW SMD 1.4x1.1 mm

TST Part No.: TA1468A

Customer Part No.:_____

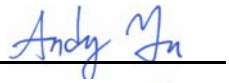
Customer signature required

**Company:**_____

**Division:** _____

**Approved by :** _____

**Date:** _____

Checked by:_____ Andy Yu 

Approved by:_____ Bob Chau 

Date:_____ 2014/10/13

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 2441.8MHz 83.5MHz BW SMD 1.4x1.1 mm

MODEL NO.: TA1468A REV. NO.:3.0

### 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

**E**lectrostatic **S**ensitive **D**evice (**ESD**)

### B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance : Zs = 50 Ω

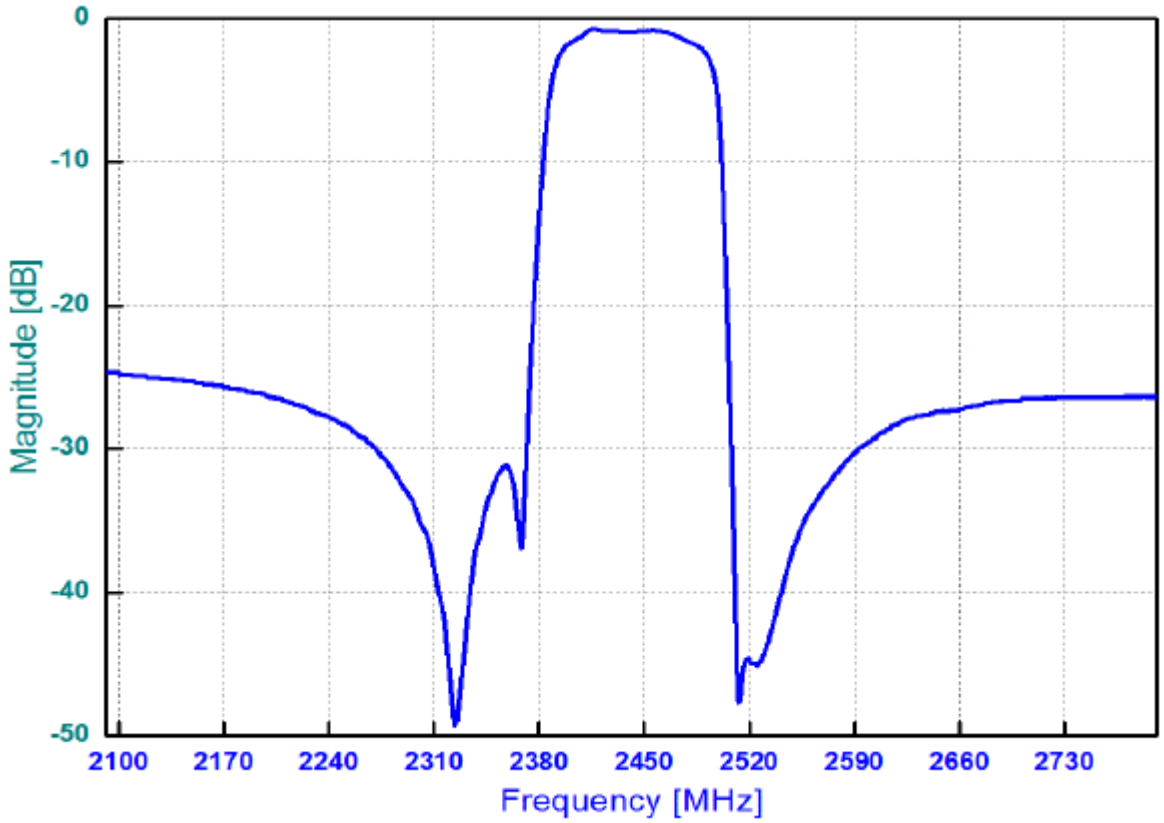
Terminating load impedance : $Z_L$ = 50 Ω

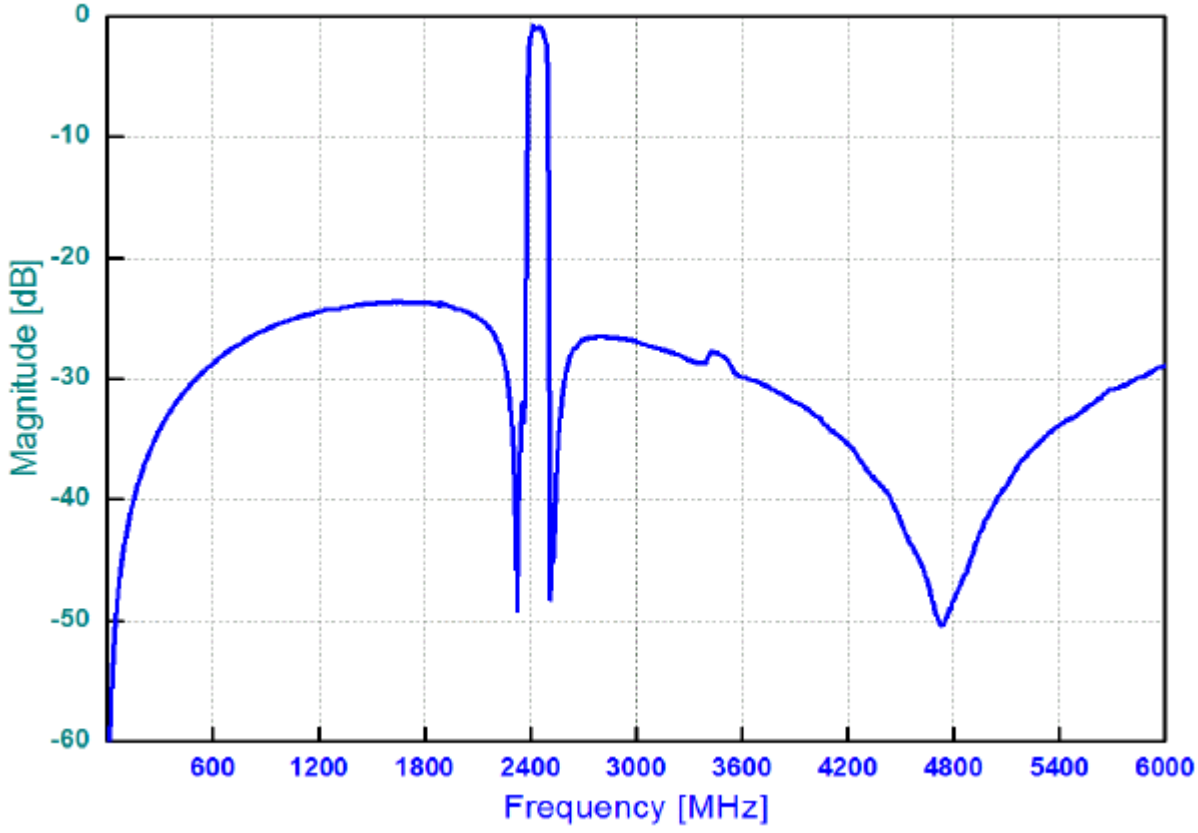
| Item | Unit | Min. | Typ. | Max. | Note |
|---|---|---|---|---|---|
| **Center Frequency** **Fo** | MHz | - | 2441.8 | - | - |
| **Insertion Loss within** 2400~2483.5 MHz **IL** | dB | - | 1.8 | 2.8 | - |
| **Amplitude Ripple within** 2400~2483.5 MHz | dB | - | 1.0 | 2.0 | - |
| **VSWR within** 2400~2483.5 MHz | | - | 1.9 | 2.3 | |
| **Attenuation** | | | | | |
| D.C ~ 1700 MHz | dB | 20 | 23 | - | - |
| 1700 ~ 2200 MHz | dB | 20 | 23 | - | - |
| 2700 ~ 4000 MHz | dB | 20 | 26 | - | - |
| 3100 ~ 4000 MHz | dB | 23 | 27 | - | - |
| 4000 ~ 6000 MHz | dB | 20 | 28 | - | - |

Notes: No Matching Network (Ref. Testing Environment Circuit as shown below)

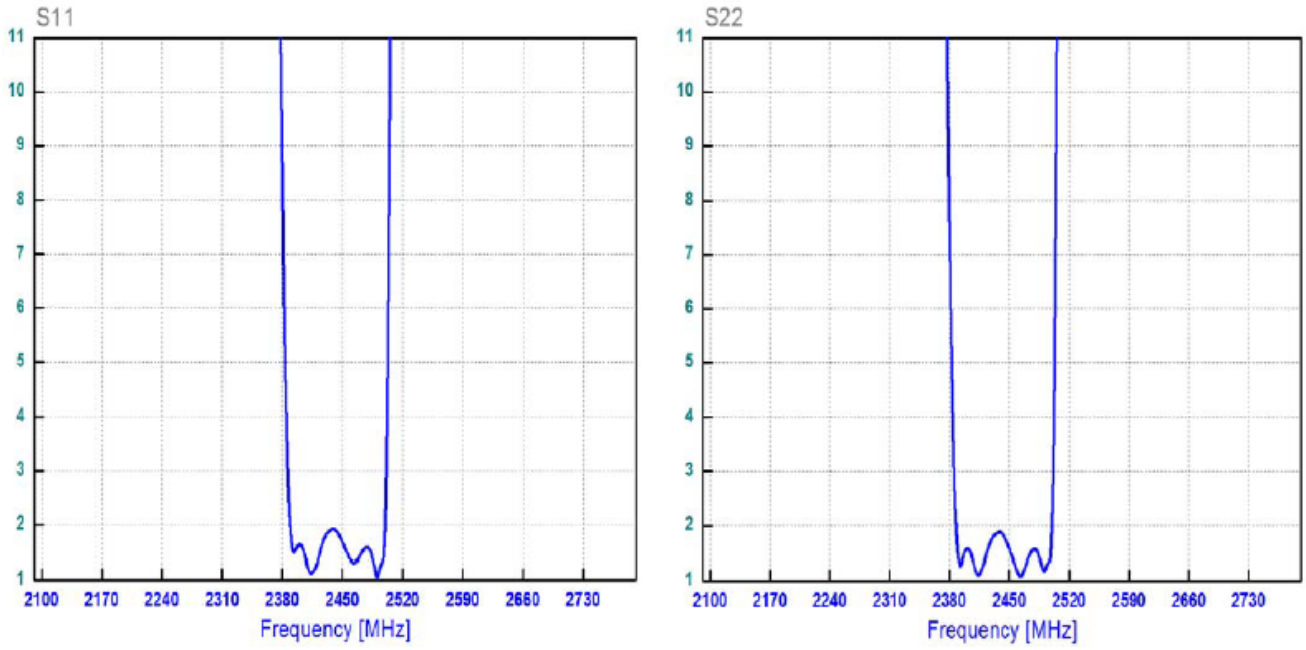
## C. FREQUENCY CHARACTERISTICS:

**Frequency Response**

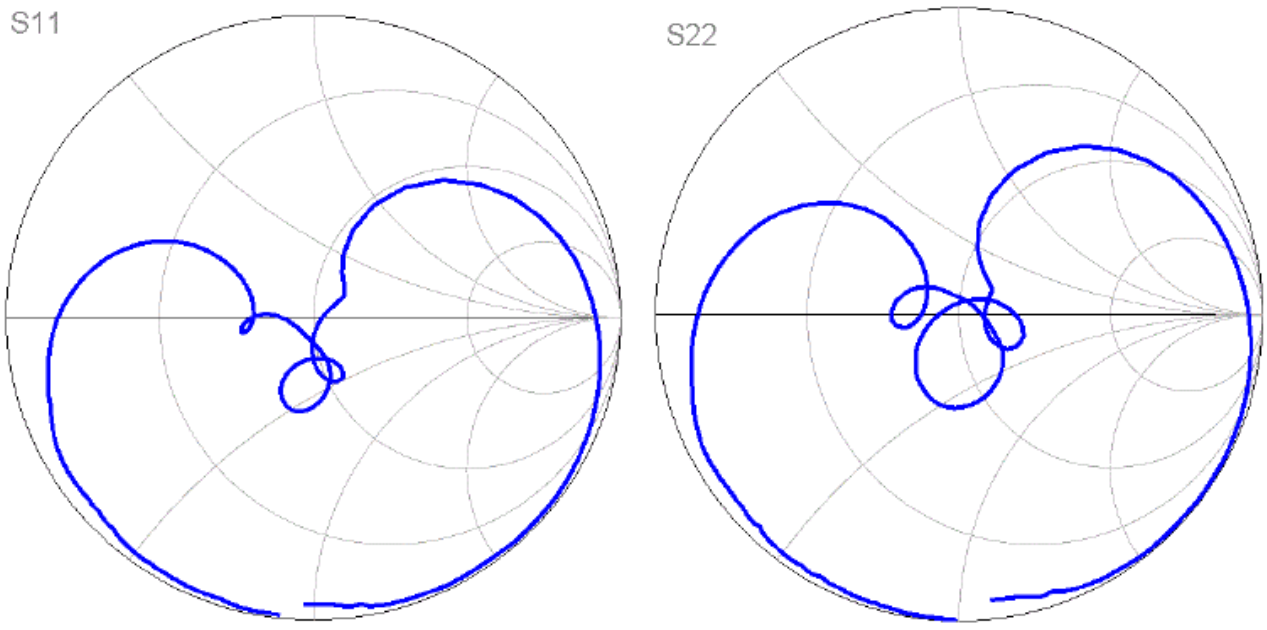


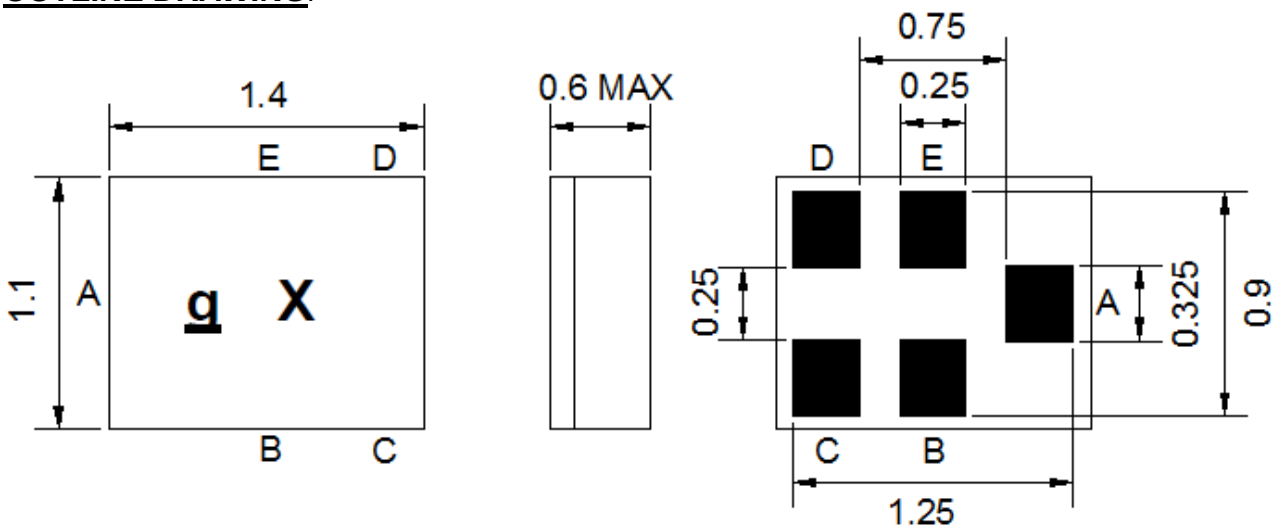
## VSWR




## Smith Chart



**D. OUTLINE DRAWING**:




| Marking Descriptions | |
|---|---|
| g | Series Number |
| X | Date Code(Year+Month) |

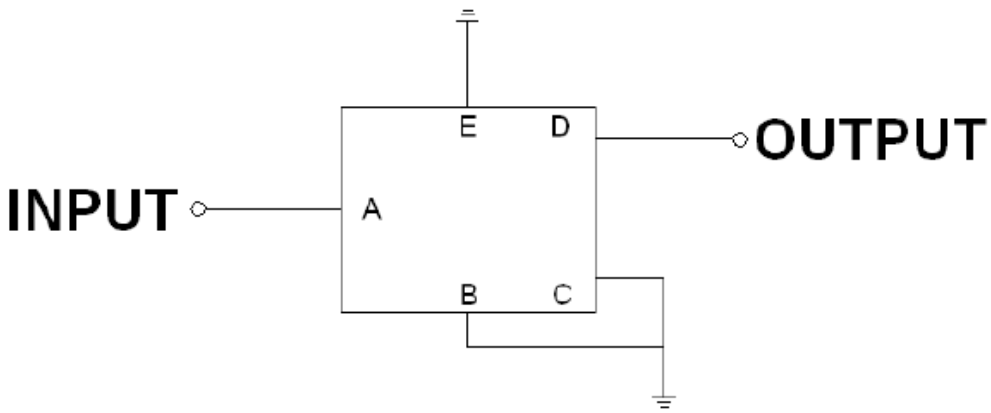
| Pin Description | |
|---|---|
| B, C, E | Ground |
| A | Input |
| D | Output |

Date Code Table (Year+Month)

Z
[year + month]

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2011 | A | B | C | D | E | F | G | H | J | K | L | M |
| 2012 | N | P | Q | R | S | T | U | V | W | X | Y | Z |
| 2013 | a | b | c | d | e | f | g | h | j | k | l | m |
| 2014 | n | p | q | r | s | t | u | v | w | x | y | z |
| 2015 | A | B | C | D | E | F | G | H | J | K | L | M |
| 2016 | N | P | Q | R | S | T | U | V | W | X | Y | Z |

**E. MEASUREMENT CIRCUIT:**

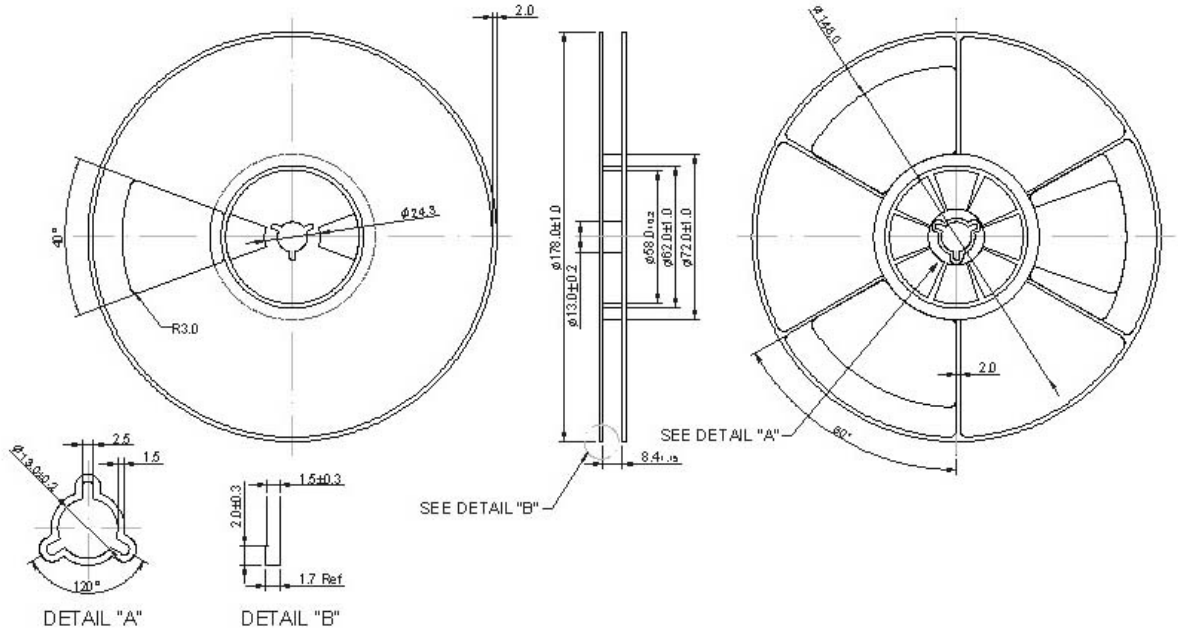



Source & Load Impedance: 50 Ω

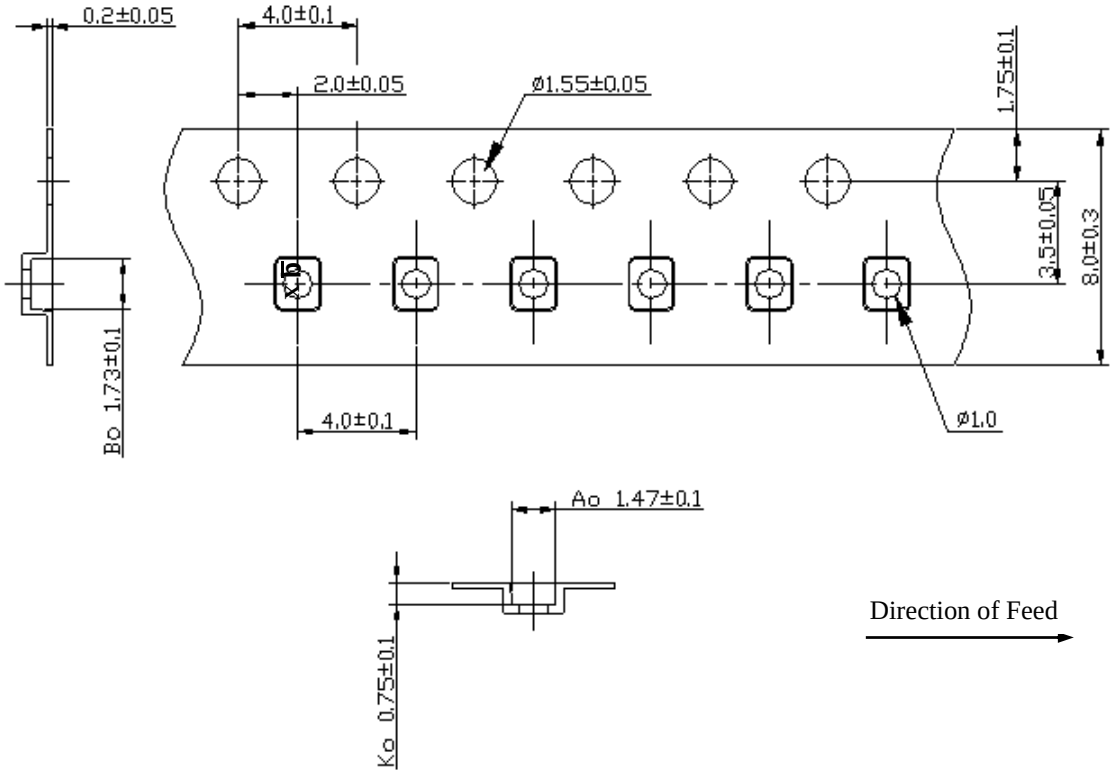
## F. PACKING:

1. REEL DIMENSION

(Please refer to FR-75D10 for packing quantity)




2.TAPE DIMENSION



## G. RECOMMENDED REFLOW PROFILE :