**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 915 MHz SMD 3.0×3.0 mm (BW=26 MHz)

TST Part No.: TA1719A

Customer Part No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: David Chang

Approved by: Bob Chau

Date: 2014/03/10

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 915 MHz

MODEL NO.:TA1719A REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: 15 dBm
2. DC Voltage : 5 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

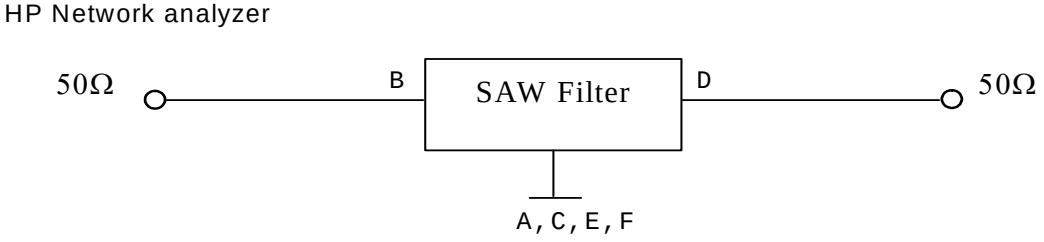
RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

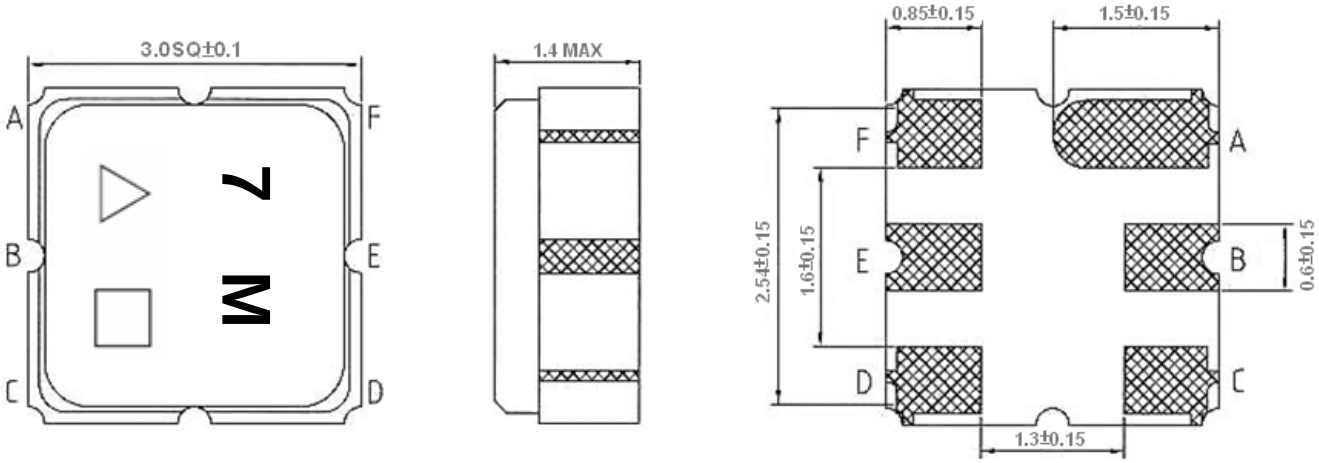
### B. ELECTRICAL CHARACTERISTICS:

| Item | | Unit | Min. | Type. | Max. |
|---|---|---|---|---|---|
| **Center frequency** | **Fc** | MHz | - | 915 | - |
| **Insertion Loss** (902~928 MHz) | **IL** | dB | - | 2.7 | 3.5 |
| **Amplitude Ripple** (902~928 MHz) | | dB | - | 0.6 | 2.0 |
| **VSWR** (902~928 MHz) | | - | - | 1.9 | 2.4 |
| **Attenuation** (Reference level from 0 dB) | | | | | |
| D.C. ~ 800 MHz | | dB | 50 | 64 | - |
| 800 ~ 880 MHz | | dB | 37 | 43 | - |
| 960 ~ 1080 MHz | | dB | 32 | 45 | - |
| 1080 ~ 1500 MHz | | dB | 40 | 45 | - |
| 1500 ~ 2000 MHz | | dB | 10 | 16 | - |
| **Temperature Coefficient of Frequency** | | ppm /℃ | - | -36 | - |

### C. MEASUREMENT CIRCUIT:



## D. OUTLINE DRAWING:




**B: Input**

**D: Output**

**A, C, E, F: Ground**

**Unit: mm**

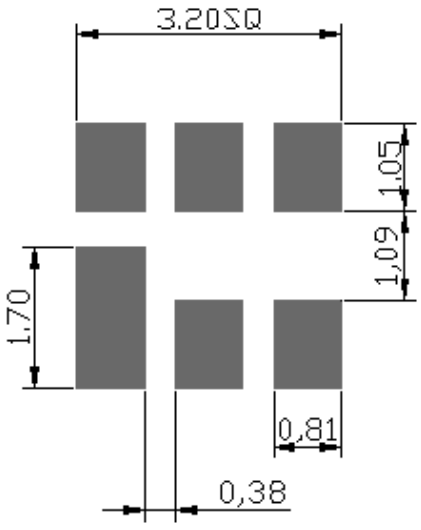
**△：Year Code (2011->1, 2012->2, …, 2019->9, 2020->0)**

**□：Date Code**

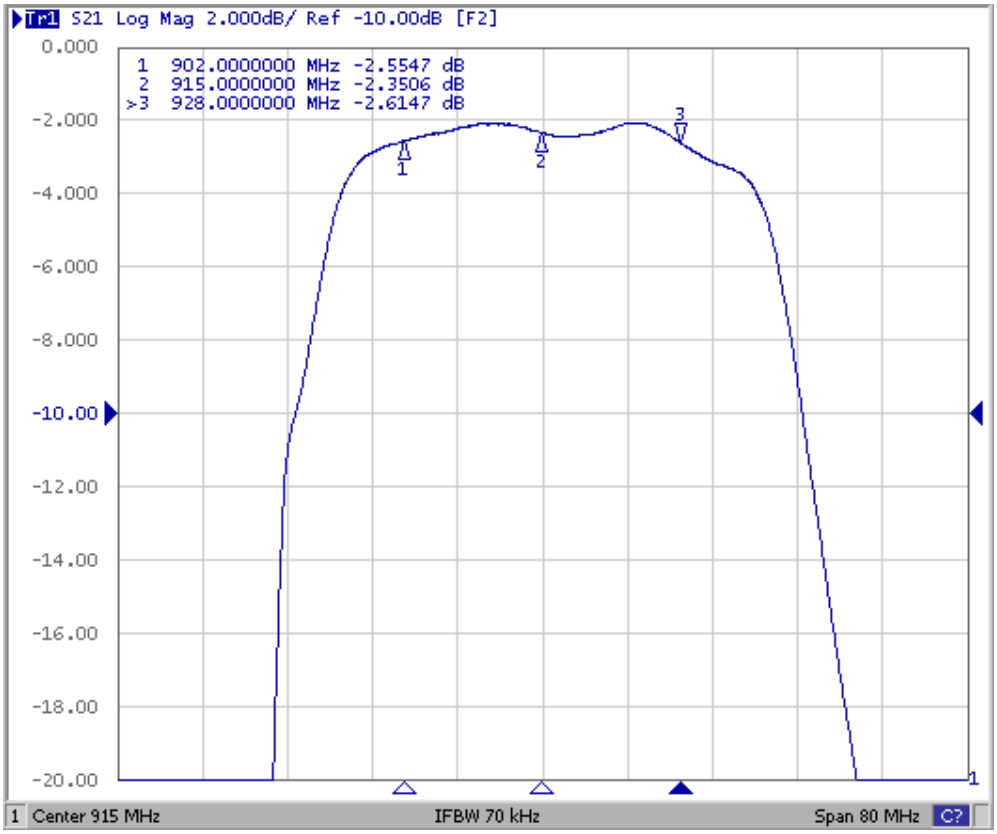
**Date Code Table:**

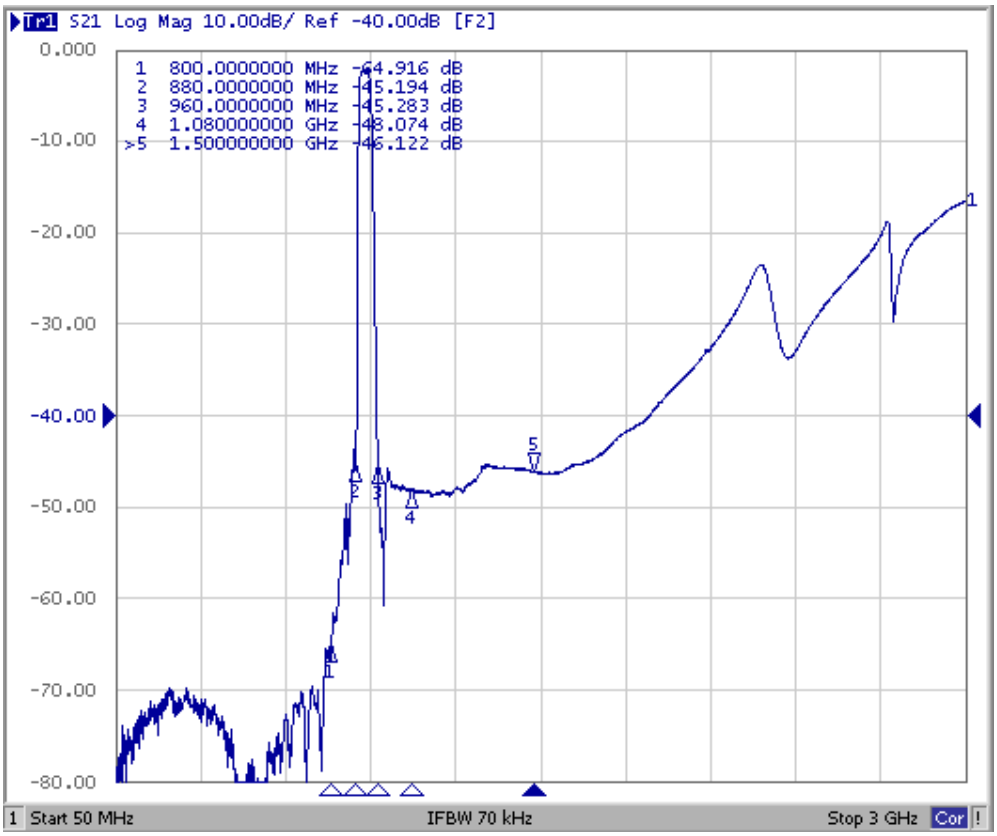
| WK01 | WK02 | WK03 | WK04 | WK05 | WK06 | WK07 | WK08 | WK09 | WK10 | WK11 | WK12 | WK13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | B | C | D | E | F | G | H | I | J | K | L | M |
| WK14 | WK15 | WK16 | WK17 | WK18 | WK19 | WK20 | WK21 | WK22 | WK23 | WK24 | WK25 | WK26 |
| N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
| WK27 | WK28 | WK29 | WK30 | WK31 | WK32 | WK33 | WK34 | WK35 | WK36 | WK37 | WK38 | WK39 |
| a | b | c | d | e | f | g | h | i | j | k | l | m |
| WK40 | WK41 | WK42 | WK43 | WK44 | WK45 | WK46 | WK47 | WK48 | WK49 | WK50 | WK51 | WK52 |
| n | o | p | q | r | s | t | u | v | w | x | y | z |

## E. PCB Footprint:



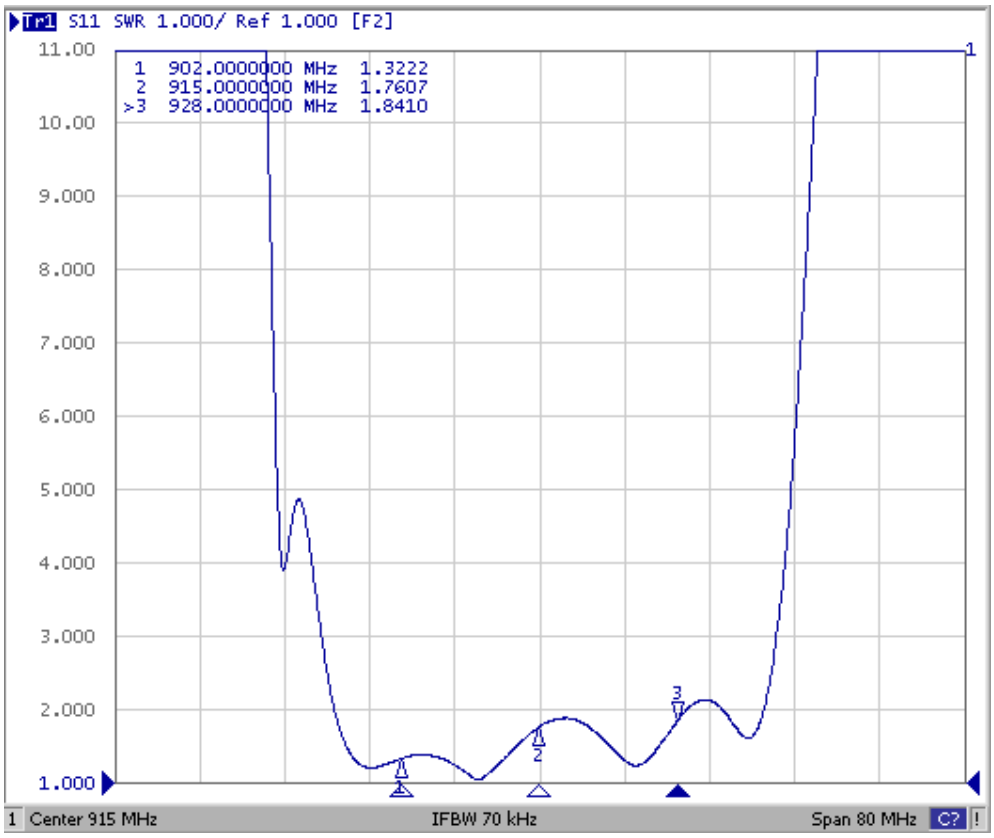
## F. Frequency Characteristics:



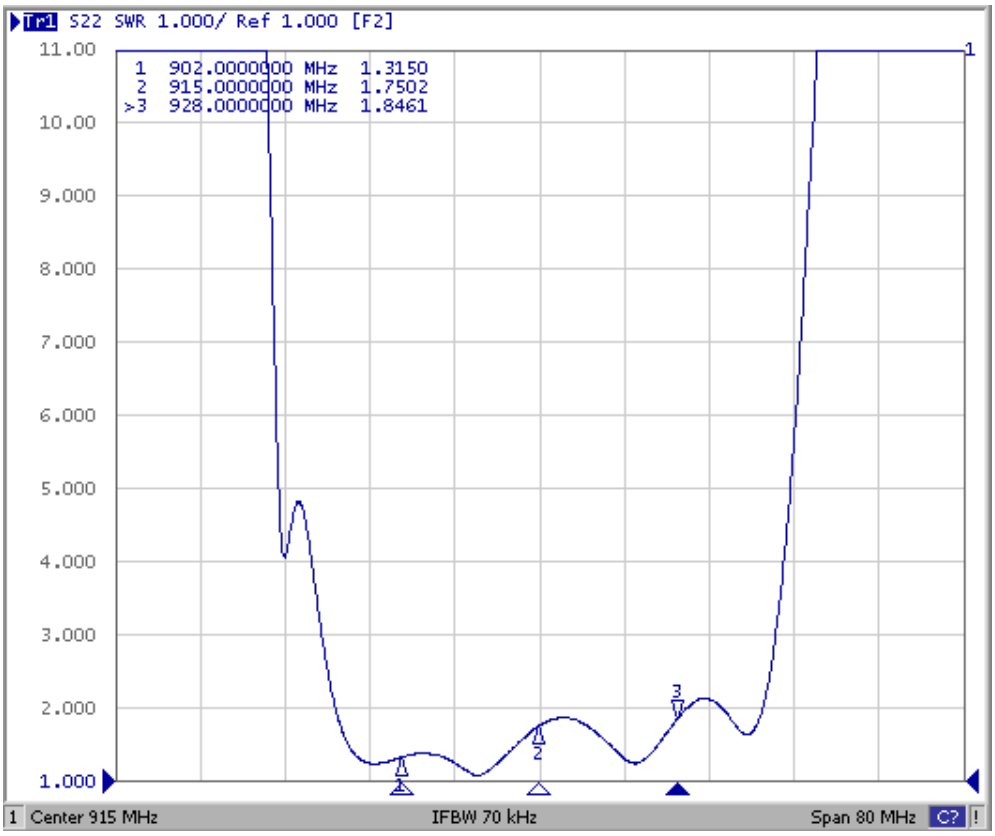



## Reflection Functions:

### S11



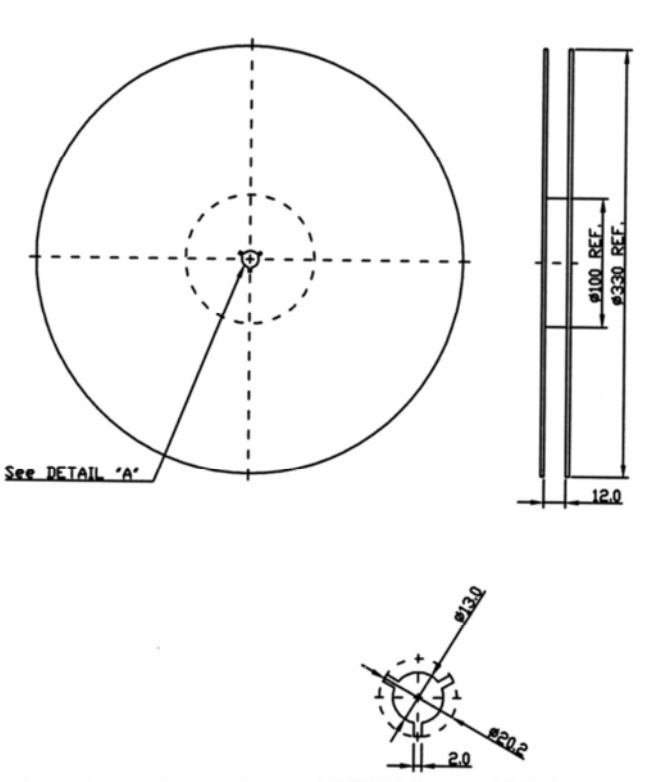

### S22



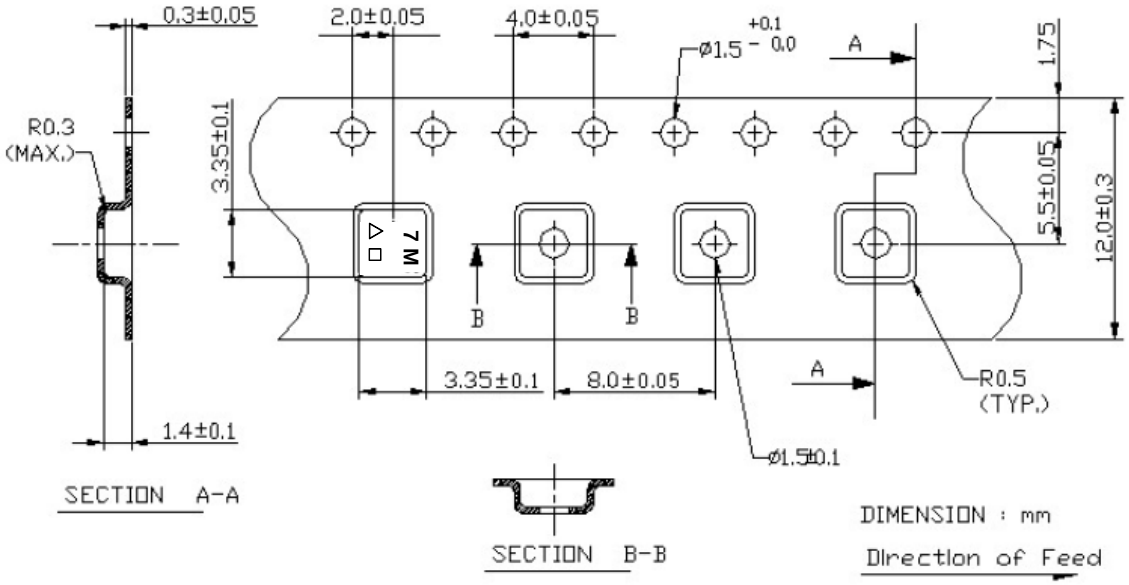
## G. PACKING:

1. REEL DIMENSION

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




2. TAPE DIMENSION



## H. RECOMMENDED REFLOW PROFILE:

