



# 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 922.5 MHz SMD 3.0x3.0 mm (BW=4 MHz)

TST Part No.: TA1527A

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

Customer signature required

Company: \_\_\_\_\_

Division: \_\_\_\_\_

Approved by : \_\_\_\_\_

Date: \_\_\_\_\_

Checked by: \_\_\_\_\_ David Chang 張閔智

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

Date: \_\_\_\_\_ 2012/08/16

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 922.5 MHz

MODEL NO.:TA1527A

REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 5 V
3. Operating Temperature: -20°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant  
Lead free  
Lead-free soldering

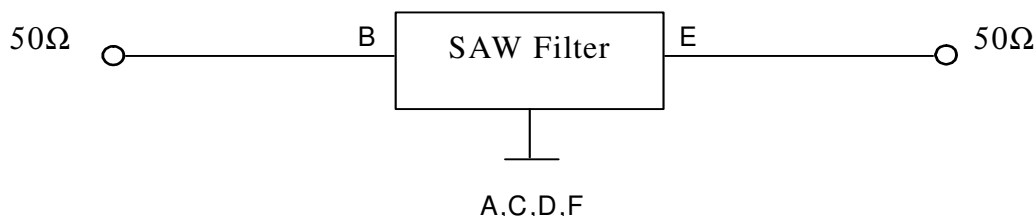
Electrostatic Sensitive Device (ESD)

### B. ELECTRICAL CHARACTERISTICS:

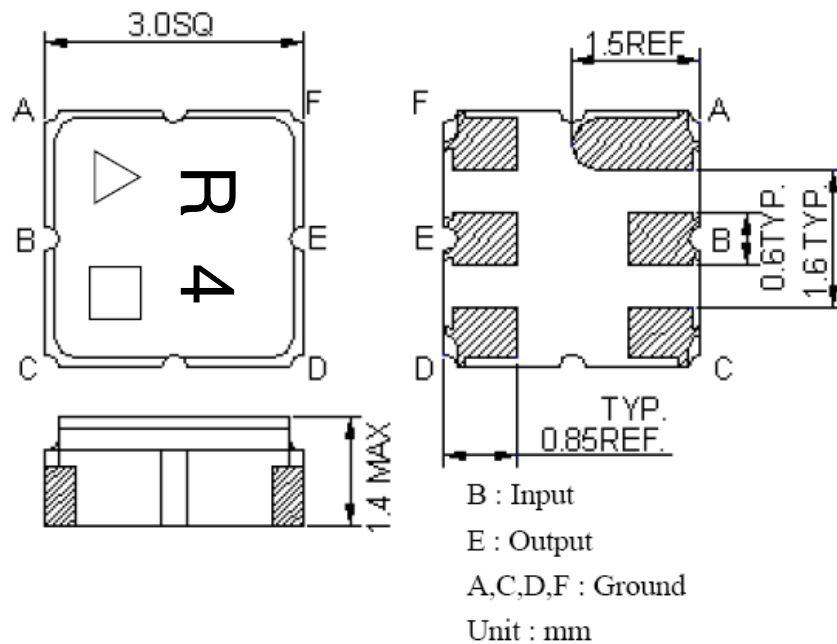
| Item                                    | Unit  | Min. | Typ.  | Max. |
|-----------------------------------------|-------|------|-------|------|
| Center Frequency Fc                     | MHz   | -    | 922.5 | -    |
| Min. Insertion loss IL                  | dB    | -    | 3     | 3.5  |
| Bandwidth @ -3dB                        | MHz   | 4    | 10.5  | -    |
| Attenuation (Reference level from 0 dB) |       |      |       |      |
| 882.5 ~ 901.5 MHz                       | dB    | 30   | 39    | -    |
| 910.5 MHz                               | dB    | 8    | 56    | -    |
| 934.5 MHz                               | dB    | 8    | 42    | -    |
| 943.5 ~ 962.5 MHz                       | dB    | 30   | 49    | -    |
| Temperature coefficient of frequency    | ppm/k | -    | -36   | -    |

### C. MEASUREMENT CIRCUIT:

HP Network analyzer



## D. OUTLINE DRAWING:



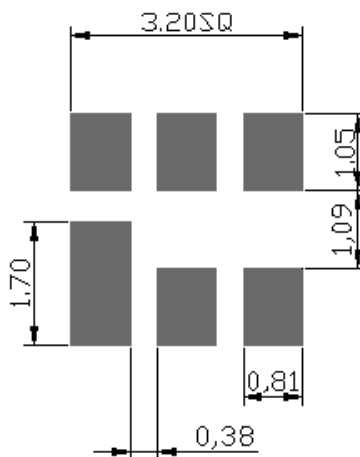
△ : Year Code (2011->1,..., 2020->0)

□ : Date Code (Follow the table from planner each year)

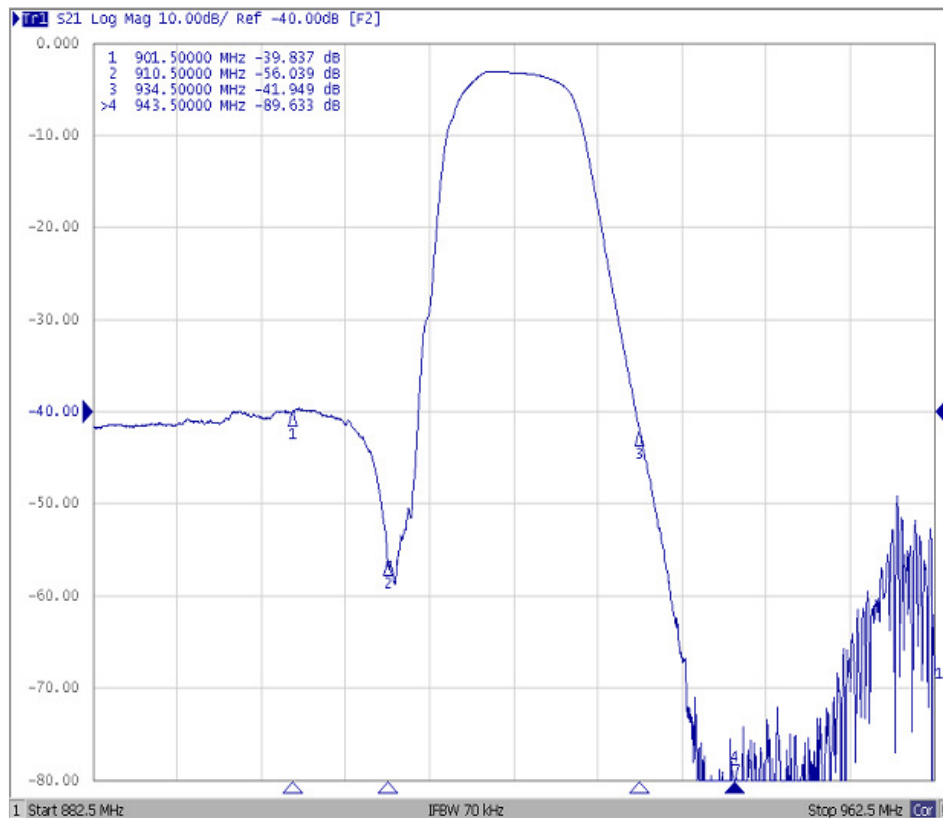
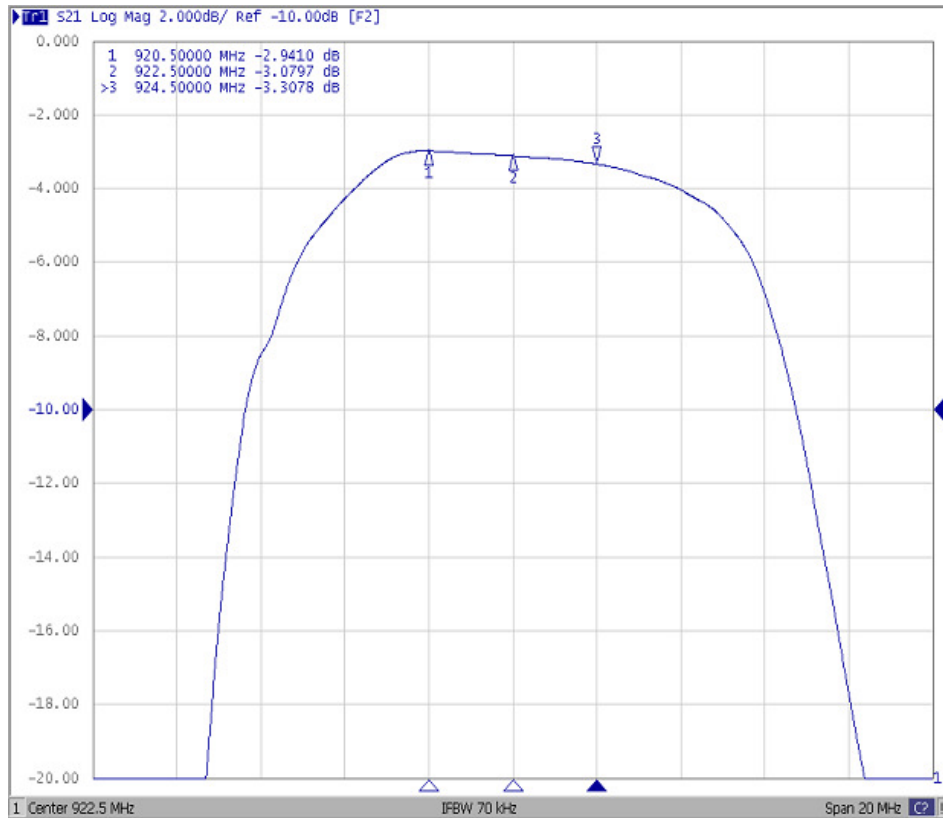
Date Code Table:

| 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:



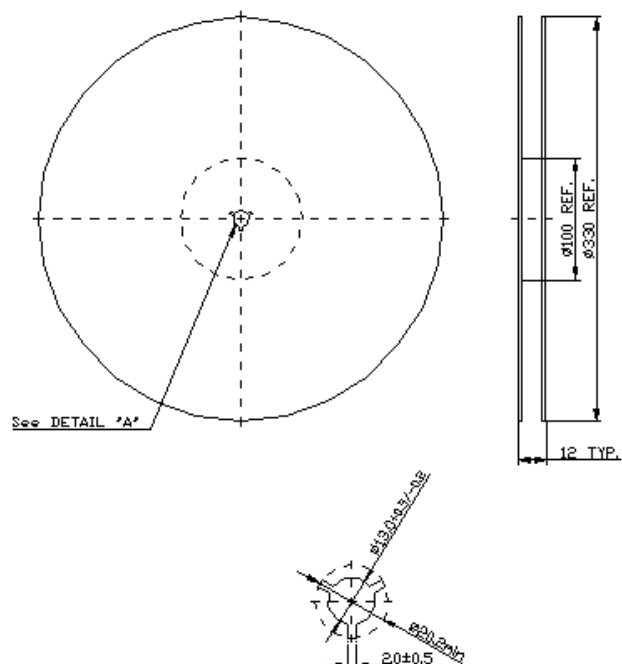
## F. Frequency Characteristics:



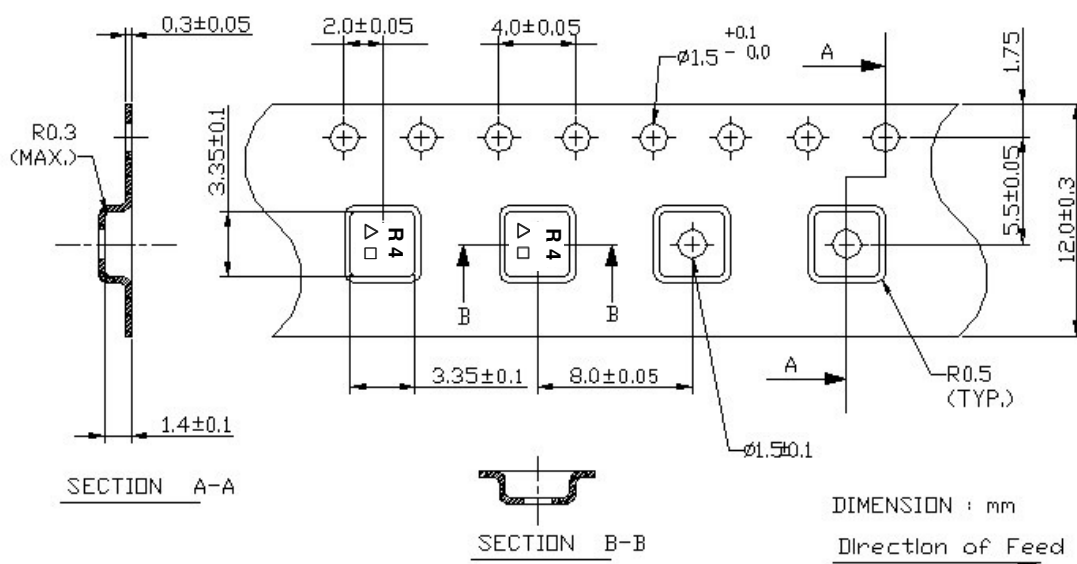
**G. PACKING:**

## 1. REEL DIMENSION

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



## 2.TAPE DIMENSION



## H. RECOMMENDED REFLOW PROFILE:

