



# 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 930.5 MHz for Pager

TST Parts No.:TA930GC

Customer Parts No.: \_\_\_\_\_

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

Checked by: \_\_\_\_\_ Bob Chau 

Approval by: \_\_\_\_\_ Andy Yu 

Date: \_\_\_\_\_ 2019/08/19

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.



# 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)

## SAW Filter 930.5 MHz For Pager

MODEL NO.: TA930GC

REV. NO.:5.0

### A. MAXIMUM RATING:

1. Input Power Level: 0 dB<sub>m</sub>
2. DC voltage: 10 V
3. Operating Temperature: -30°C to +70°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level 1 (MSL1)

RoHS Compliant  
Lead free  
Lead-free soldering

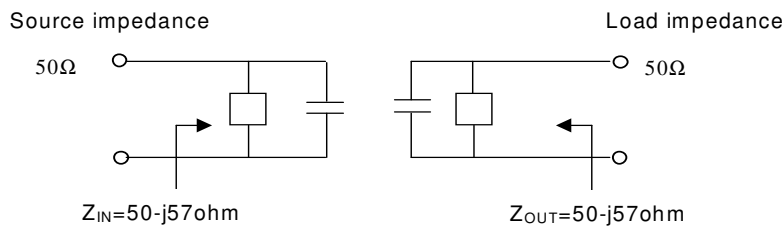
Electrostatic Sensitive Device

### B. ELECTRICAL CHARACTERISTICS:

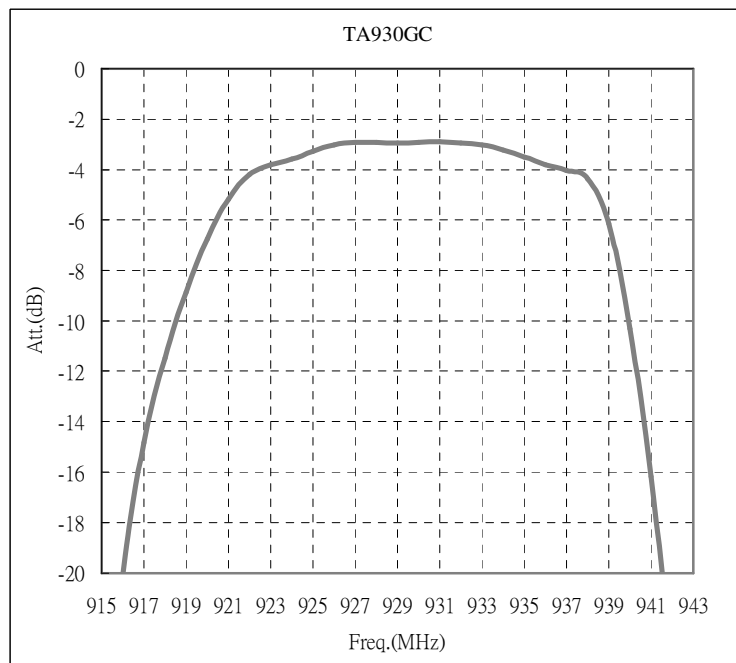
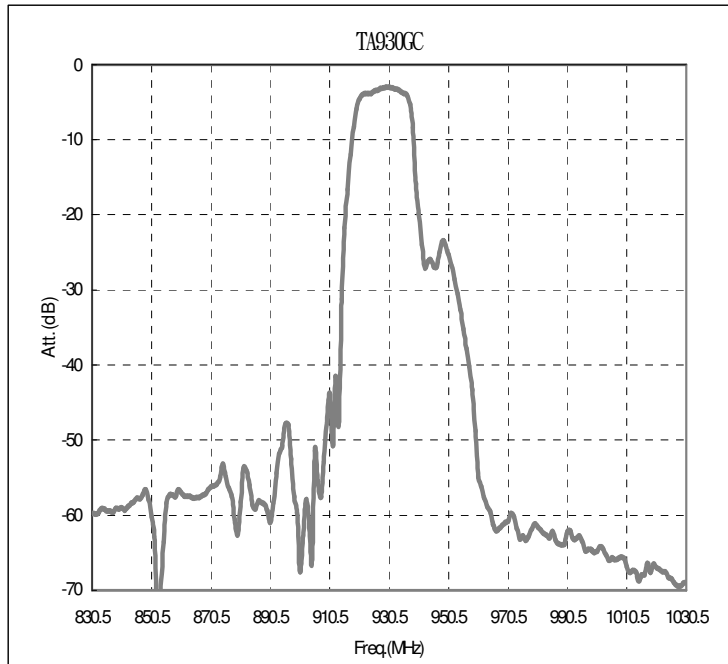
| Characteristics                          | Specification | Note |
|--|---------------|------|
| Center frequency $F_c$ (MHz)             | 930.5         | 1    |
| I.L. (928.5~ 932.5 MHz) (dB)             | 4.5 max.      |      |
| Ripple(928.5 ~ 932.5 MHz) (dB)           | 2.0 max.      | 1    |
| Attenuation:( Reference level from 0 dB) |               |      |
| 1) 400 ~ 880 MHz (dB)                    | 35 min.       | 1    |
| 2) 884.8 ~ 890.2 MHz (dB)                | 40 min.       | 1    |
| 3) 906.8 ~ 911.2 MHz (dB)                | 30 min.       | 1    |
| 4) 980 ~ 1300 MHz (dB)                   | 35 min.       | 1    |
| Impedance at $F_c$ : Input Impedance     | 50-j57ohm     | 2    |
| Output Impedance                         | 50-j57ohm     | 2    |

Note1. The standard definitions is in JIS C 6703

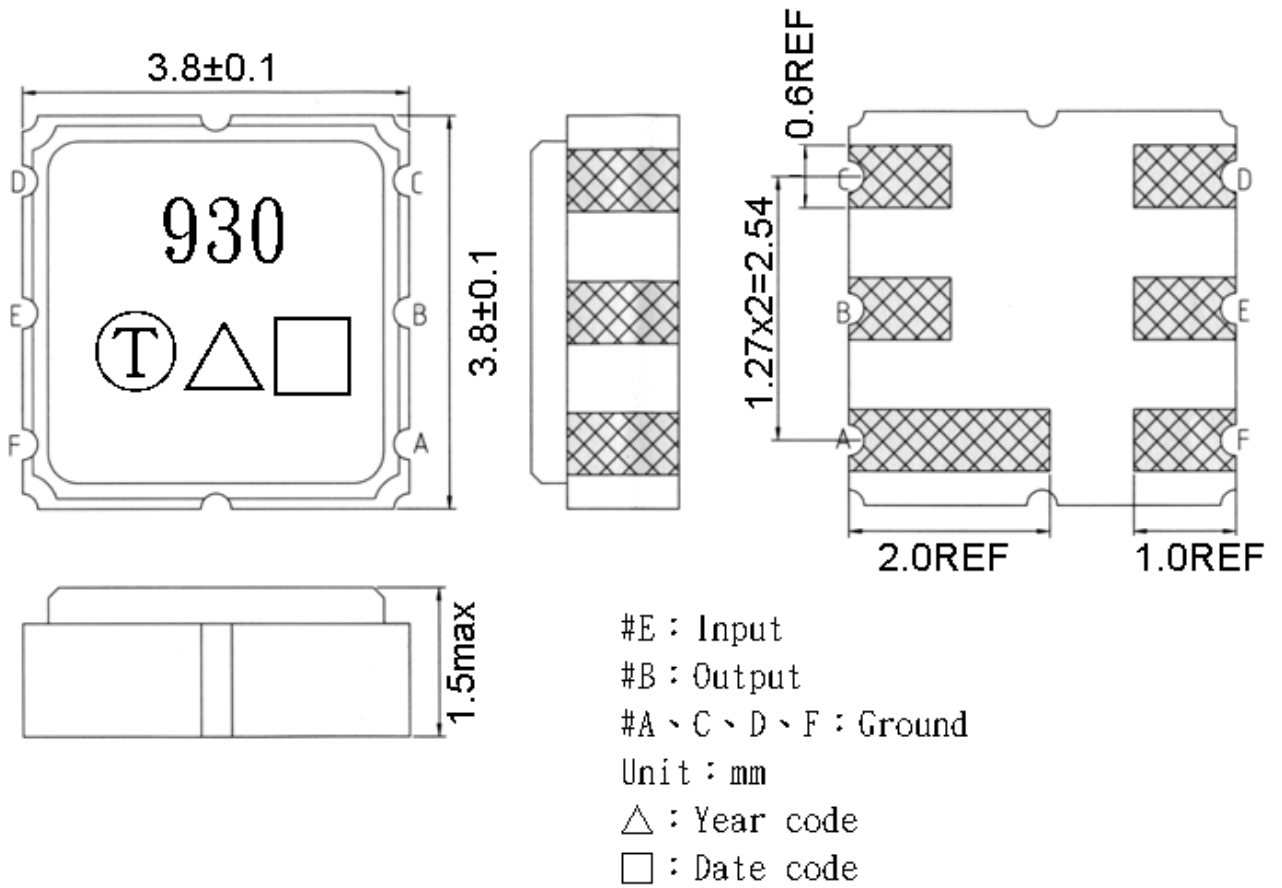
Note2.



**C. FREQUENCY CHARACTERISTICS:**



**D. OUTLINE DRAWING:**



Product / Year Code

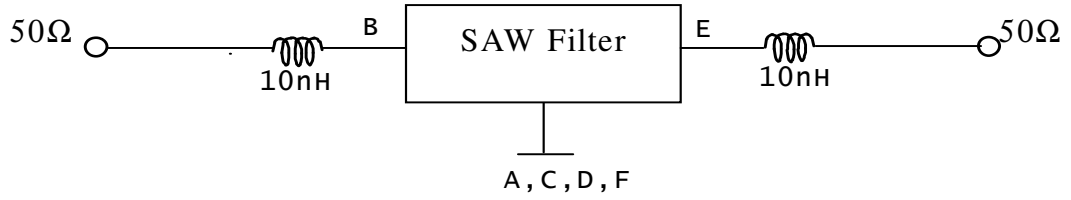
|              |              |              |
|--------------|--------------|--------------|
| Year         | 2019<br>2021 | 2020<br>2022 |
| Product Code | G            | g            |

Week Code Table

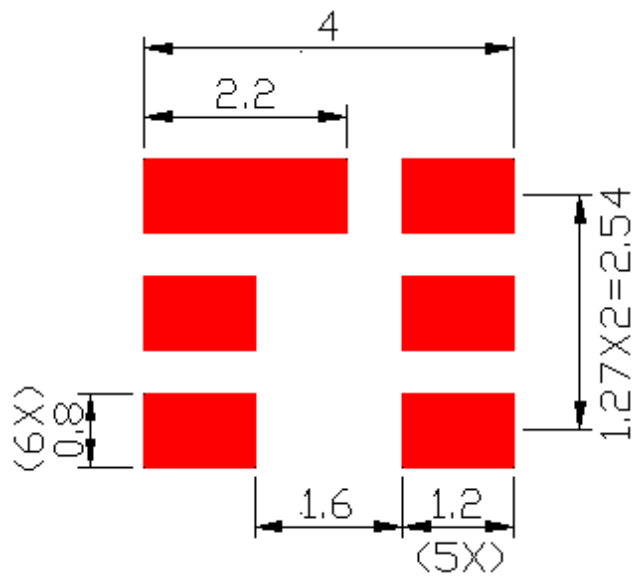
|      |      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| WK01 | WK02 | WK03 | WK04 | WK05 | WK06 | WK07 | WK08 | WK09 | WK10 | WK11 | WK12 | WK13 |
| A    | B    | C    | 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. MEASUREMENT CIRCUIT:

HP Network analyzer

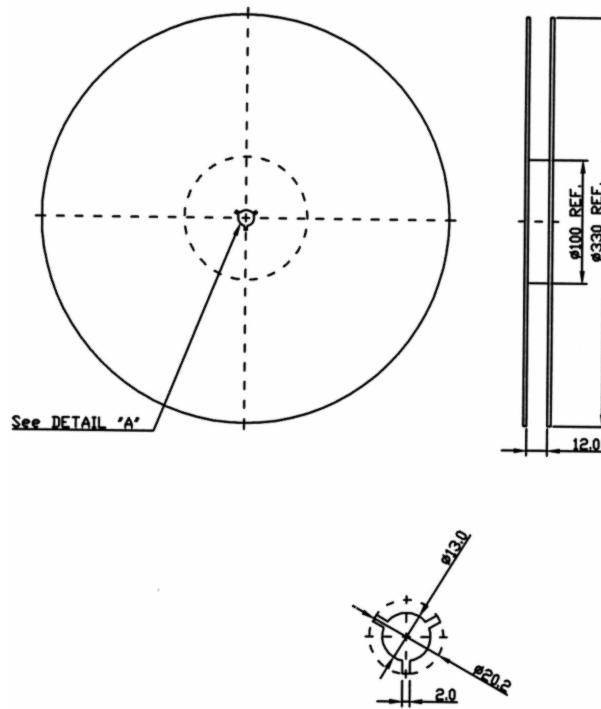


### F. PCB Footprint:

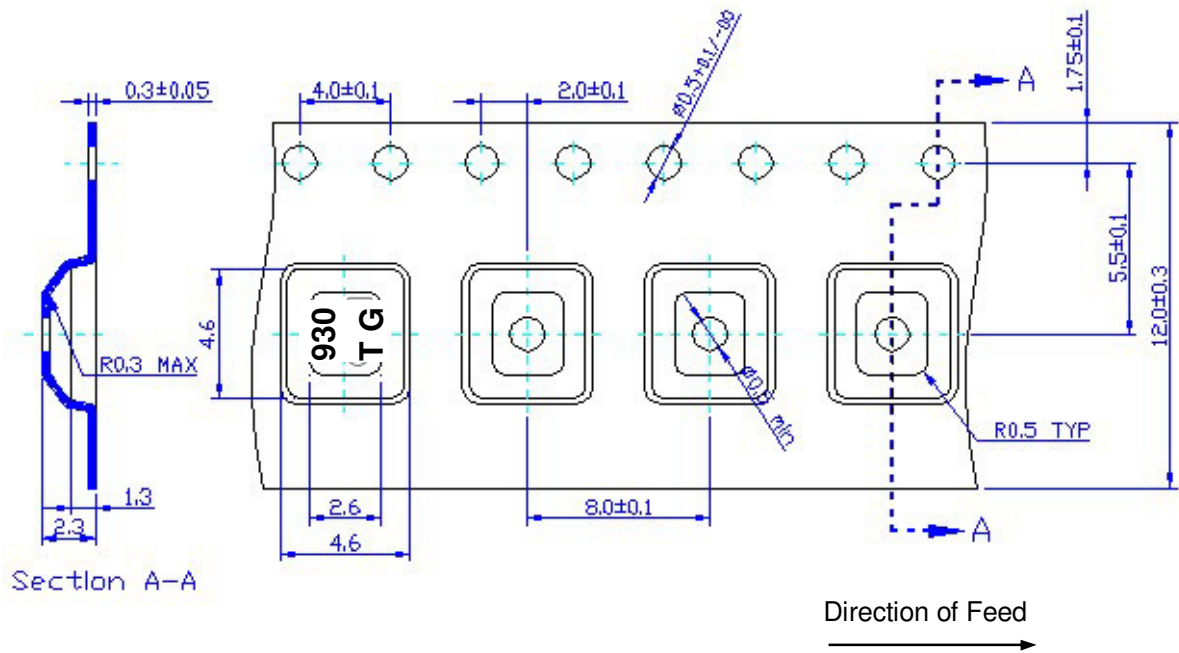


**G. PACKING:**

**1. REEL DIMENSION**



**2. TAPE DIMENSION**



## H. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 260°C +0/-5°C peak (20~40sec).
4. Time: 2 times.

