



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: ttsales@mail.taisaw.com Web: www.taisaw.com

Product Specification Approval Sheet

Product Name: SAW Filter 159.1625MHz SMD 7.0×5.0 mm (BW=5.725MHz)

TST Parts No.:TA0395A

Customer Parts No.:_____

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

Checked by:_____ Anne Chen *Anne Chen*

Approved by:_____ Andy Yu *Andy Yu*

Date:_____ 01, 09, 2020

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 change



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SAW Filter 159.1625 MHz

MODEL NO.: TA0395A

REV. NO.:4

A. MAXIMUM RATING:

1. Input Power Level: 20 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -30°C to +70°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level 1 (MSL 1)



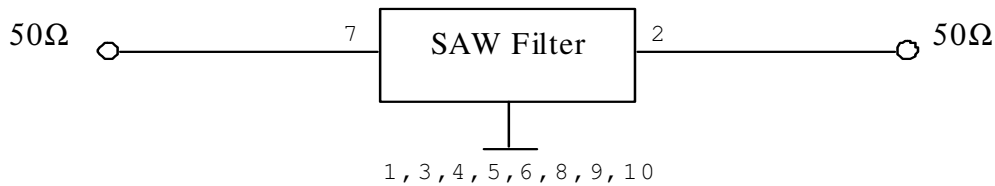
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

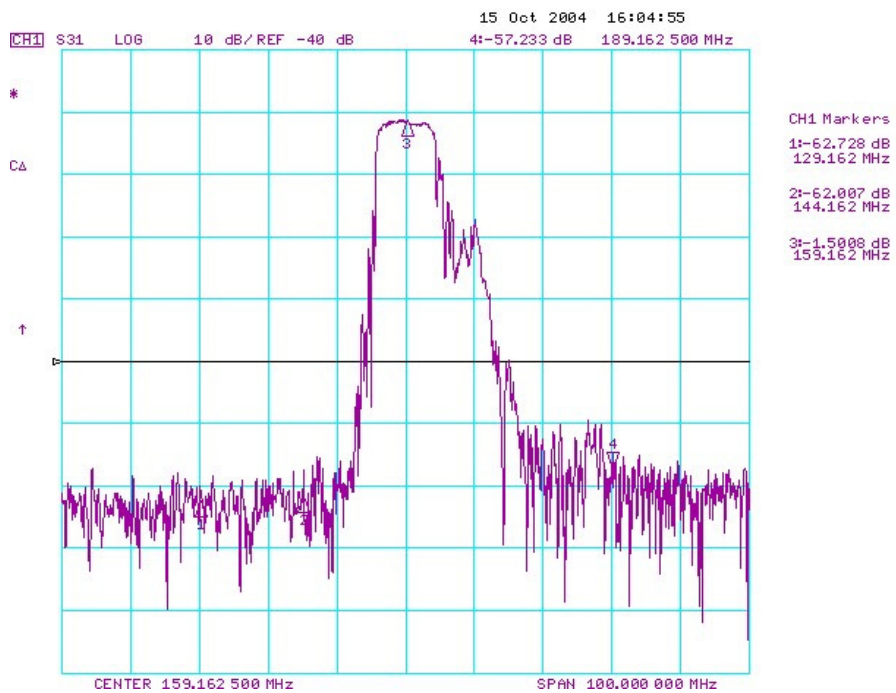
| Item | | Specification | | | | |
|----------------------------------|---|---------------|------|----------|------|---|
| | | Unit | Min. | Typ. | Max. | |
| Center Frequency | F _c | MHz | - | 159.1625 | - | |
| Insertion Loss | 156.3~162.025MHz IL | dB | - | 2.3 | 3.8 | |
| Attenuation (Reference from 0dB) | | | | | | |
| | F _c -50 ~ F _c -30 | MHz | dB | 42 | 57 | - |
| | F _c -30 ~ F _c -15 | MHz | dB | 36 | 55 | - |
| | F _c +30 ~ F _c +50 | MHz | dB | 42 | 55 | - |
| Source impedance | Z _s | Ω | - | 50 | - | |
| Load impedance | Z _L | Ω | - | 50 | - | |

C. MEASUREMENT CIRCUIT:

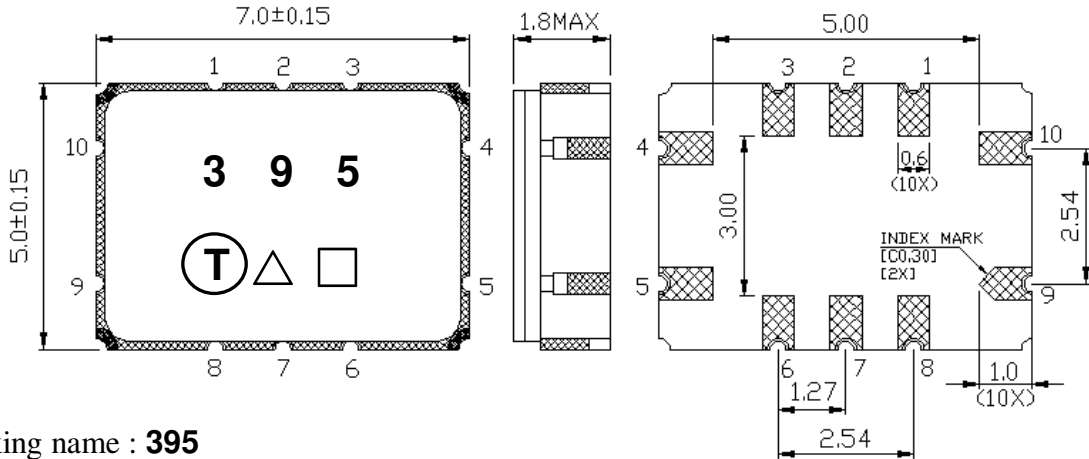
HP Network analyzer



D. Frequency Characteristics :



E.OUTLINE DRAWING:



Marking name : **395**

△ : year code : See the table

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

Product Year Code

| | | | | |
|--------------|--------------|--------------|--------------|--------------|
| Year | 2017 2021 | 2018 2022 | 2019 2023 | 2020 2024 |
| Product Code | A | a | A | a |

Pin configuration:

7: Input

2: Output

1,3,4,5,6,8,9,10: Ground

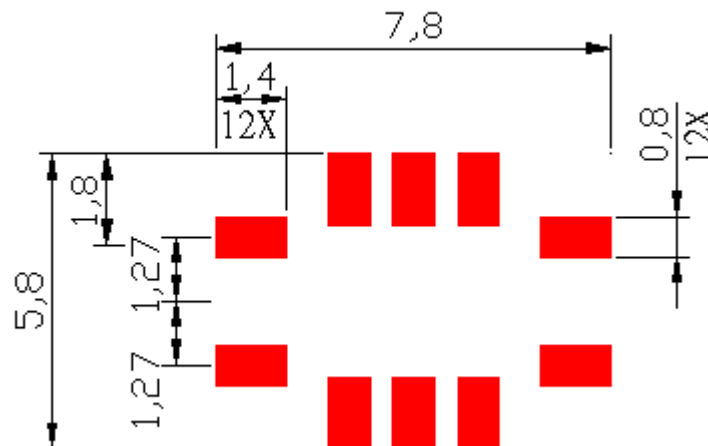
□ : Date Code

Unit: mm

□ Data code : See the 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 |

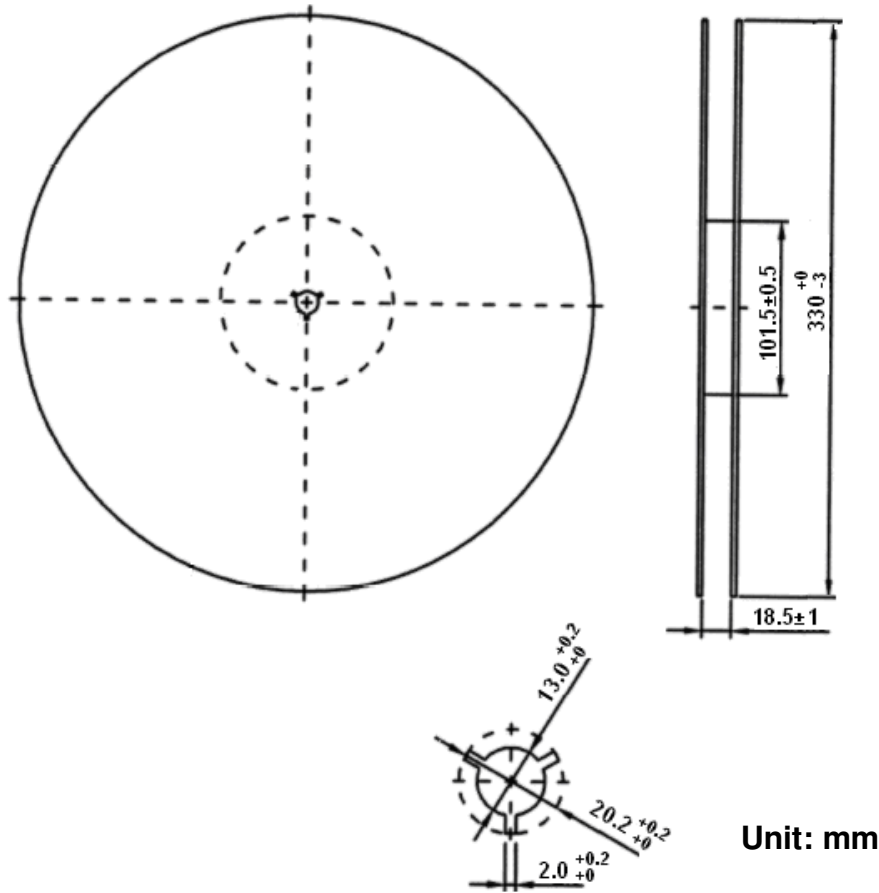
F. PCB Footprint :



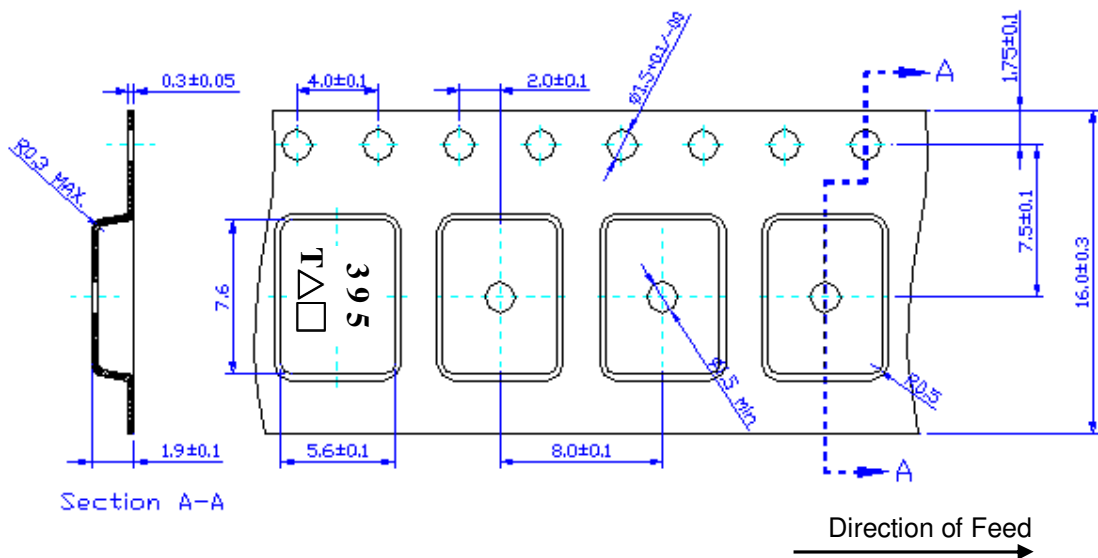
G. PACKING:

1. REEL DIMENSION

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



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.

