



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

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Product Specifications Approval Sheet

Product Name: SAW Filter 1575.42 MHz SMD 3X3 mm

TST Parts No.:TA0440A

Customer Parts No.: _____

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

Checked by: _____ Anne Chen *Anne Chen*

Approval by: _____ Andy Yu *Andy Yu*

Date: _____ 2018/12/10

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 1575.42 MHz

MODEL NO.: TA0440A

REV. NO.:4

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -50°C to +100°C
5. Moisture Sensitivity Level: Level 1 (**MSL 1**)

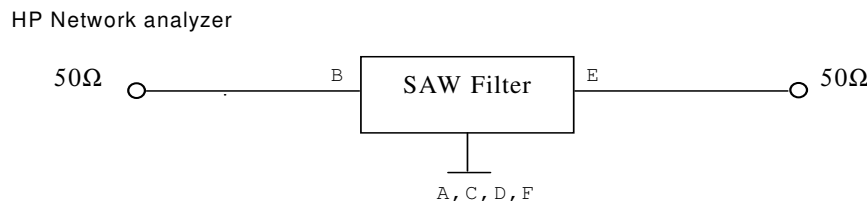
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

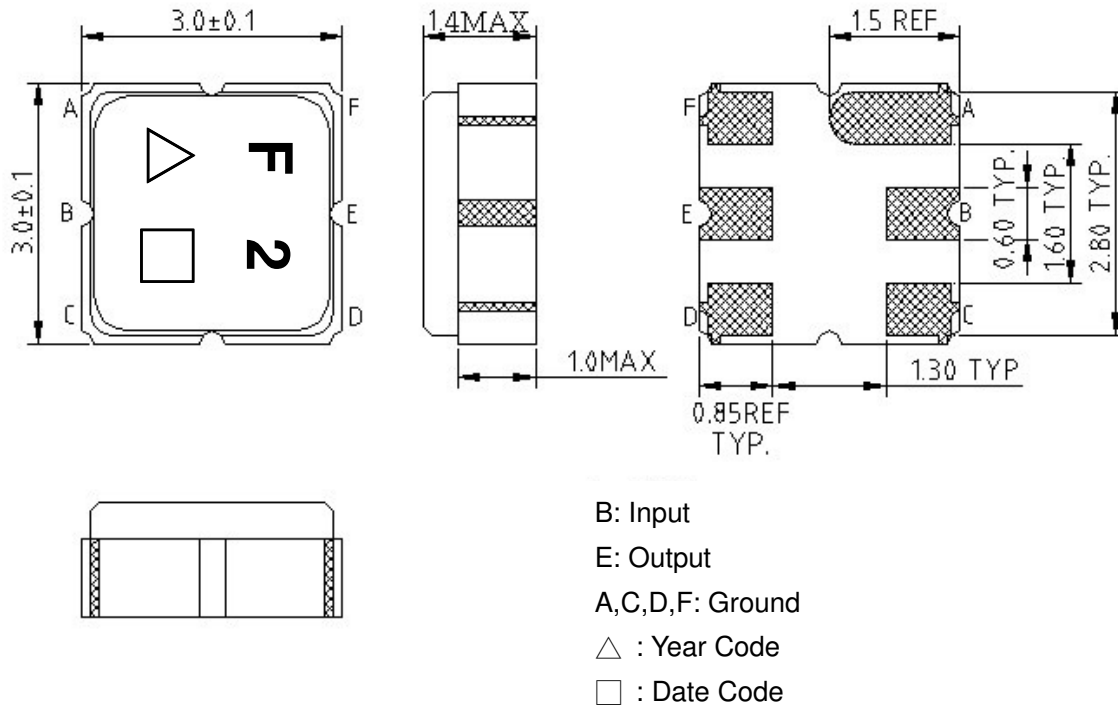
| Item | Min. | Typ. | Max. |
|--|------|---------|------|
| Center frequency Fc (dB) | - | 1575.42 | - |
| Insertion loss (1574.42~1576.42 MHz) IL (dB) | - | 2.9 | 4.0 |
| Amplitude ripple (1574.42~1576.42 MHz) (dB) | - | 0.1 | 1.5 |
| Attenuation (Reference level from 0 dB) | | | |
| 1 ~ 890 MHz (dB) | 40 | 60 | - |
| 890 ~ 1475 MHz (dB) | 36 | 55 | - |
| 1475.42 MHz (dB) | 36 | 50 | - |
| 1535.42 MHz (dB) | 29 | 50 | - |
| 1615.42 MHz (dB) | 25 | 42 | - |
| 1675.42 MHz (dB) | 40 | 55 | - |
| 1700 ~ 3000 MHz (dB) | 25 | 38 | - |
| Input/Output VSWR (1574.42~1576.42 MHz) | - | 1.55 | 2.5 |
| Source impedance Zs (Ω) | - | 50 | - |
| Load impedance ZL (Ω) | - | 50 | - |

Note1. The standard definitions is in JIS C 6703

C. MEASUREMENT CIRCUIT:



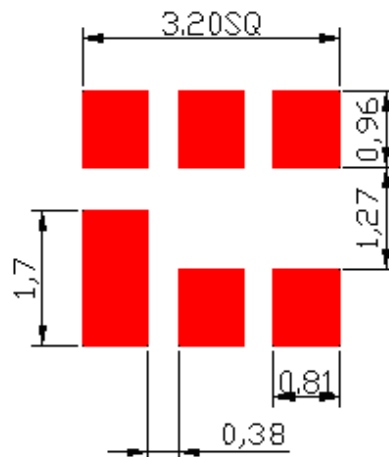
D. OUTLINE DRAWING:



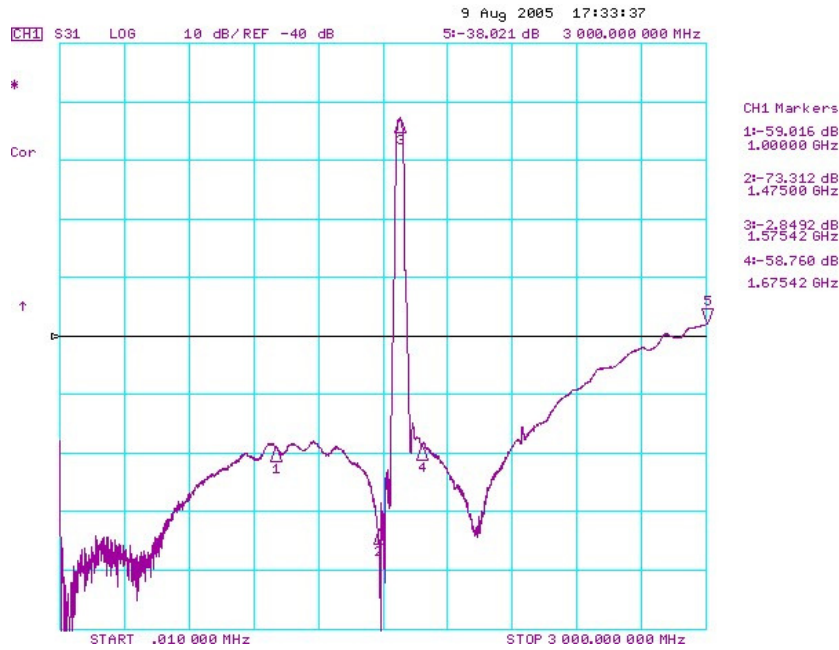
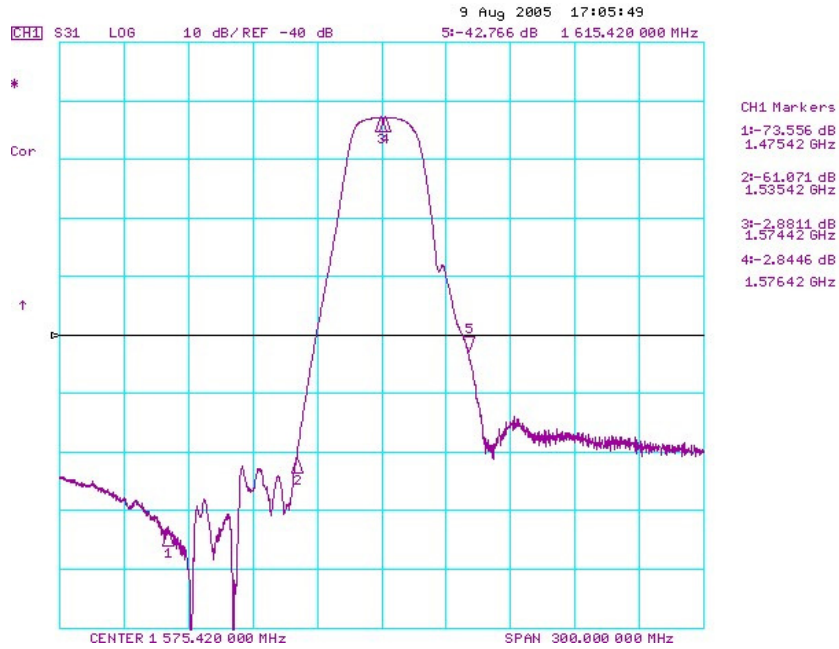
Date Code Table:

| | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 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:

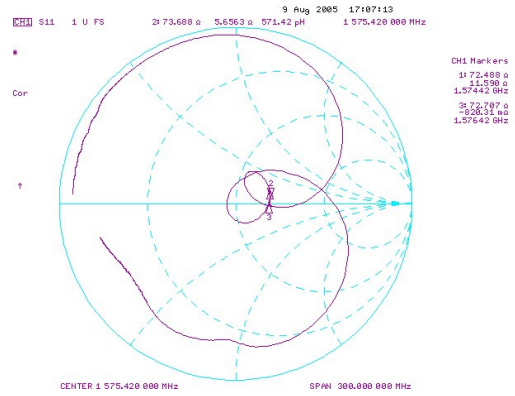
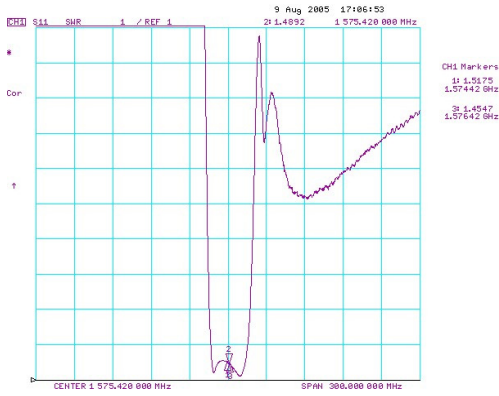


F. FREQUENCY CHARACTERISTICS: Transfer function

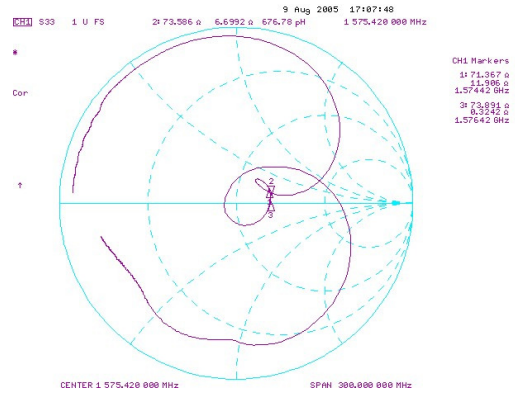
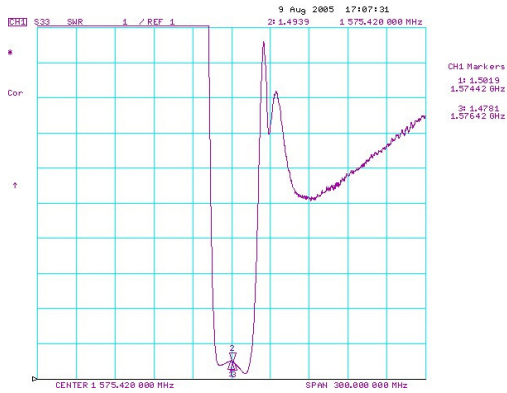


Reflection Functions :

S11



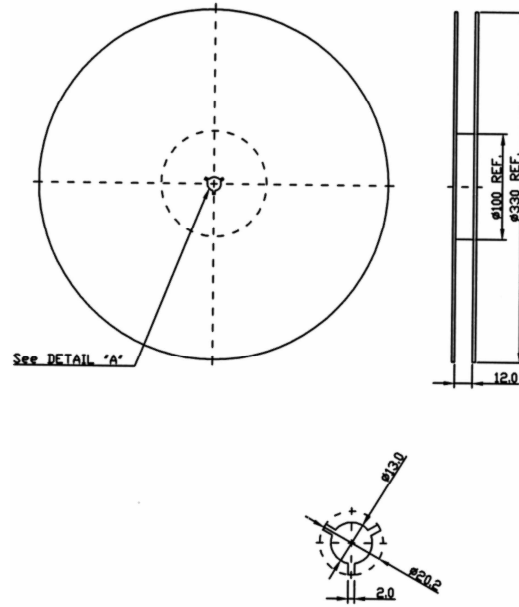
S22



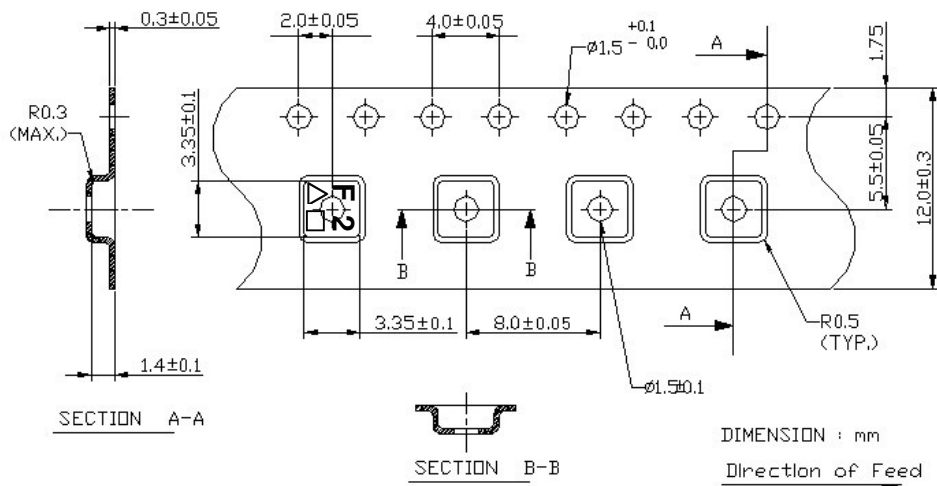
G. PACKING:

1. REEL DIMENSION

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

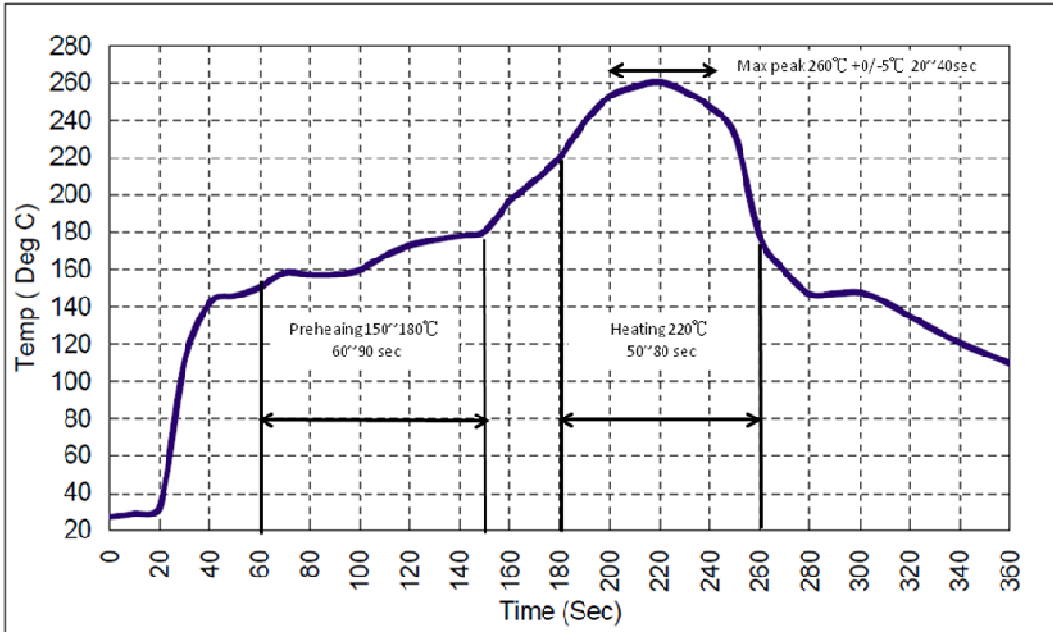


2. TAPE DIMENSION



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.



单击下面可查看定价，库存，交付和生命周期等信息

[>>TAI-SAW\(台湾嘉硕\)](#)