

SAW Filter 793.0MHz
Part No: MP03425

Model: TA1131B
Rev No: 2

A. MAXIMUM RATING:

1. Input Power Level: +25dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -50°C to +95°C

B. ELECTRICAL CHARACTERISTICS:

| Item | Unit | Min. | Typ. | Max. | Note |
|--|------|------|------|------|------|
| Center Frequency Fc | MHz | - | 793 | - | - |
| Insertion Loss (788 ~ 798MHz) IL | dB | - | 1.3 | 2.5 | - |
| Amplitude Ripple (788 ~ 798MHz) | dB | - | 0.4 | 1.5 | - |
| Return Loss (788 ~ 798MHz) | dB | 10 | 15 | - | - |
| Attenuation (Reference level from 0dB) | | | | | |
| 0 ~ 700MHz | dB | 30 | 41 | - | - |
| 848 ~ 890MHz | dB | 35 | 43 | - | - |
| 1000 ~ 2000MHz | dB | 25 | 42 | - | - |

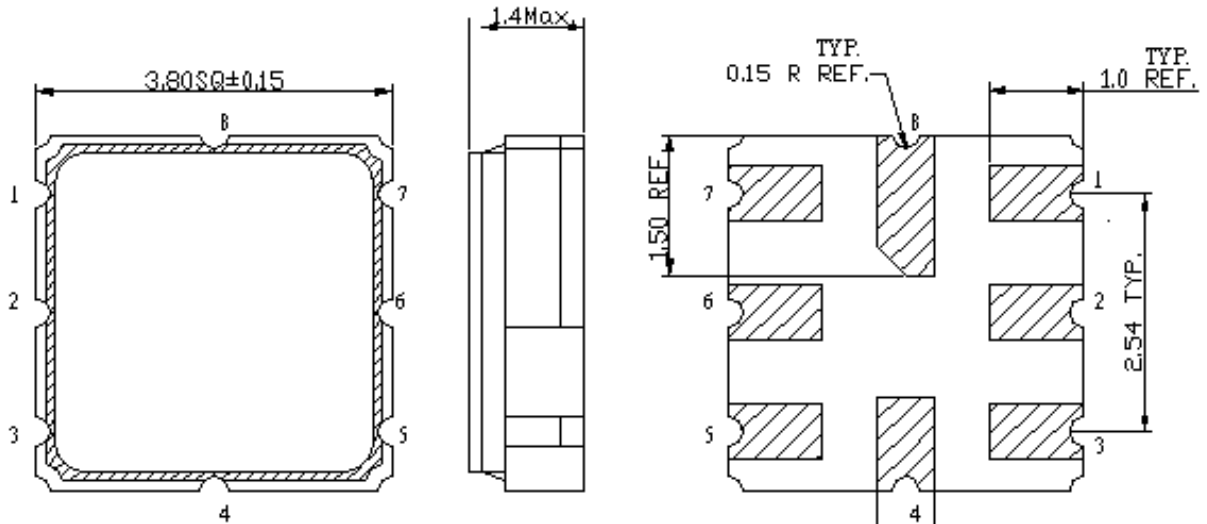
C. CERTIFICATE OF CONFORMANCE:

Each shipment stating that specific LDC of product shipped complies with Tai-Saw Technology SAW Filter 793 MHz Model No: **TA1131B Rev. No. 2 dated 8/30/2010.**

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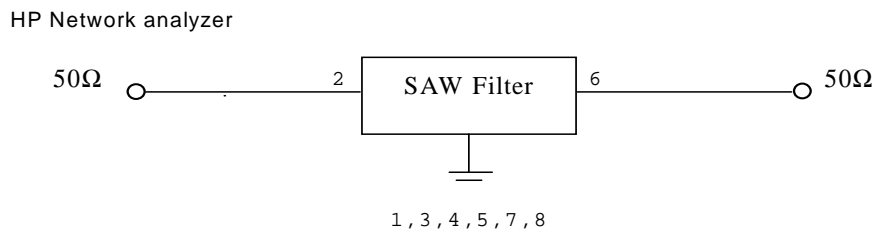
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D. OUTLINE DRAWING:

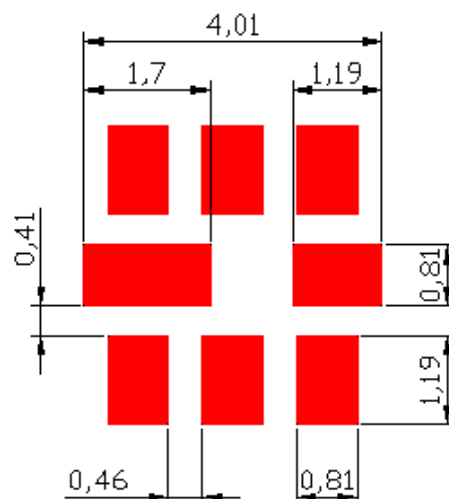


2: Input
 6: Output
 1, 3, 4, 5, 7, 8: Ground
 Unit: mm

E. MEASUREMENT CIRCUIT:



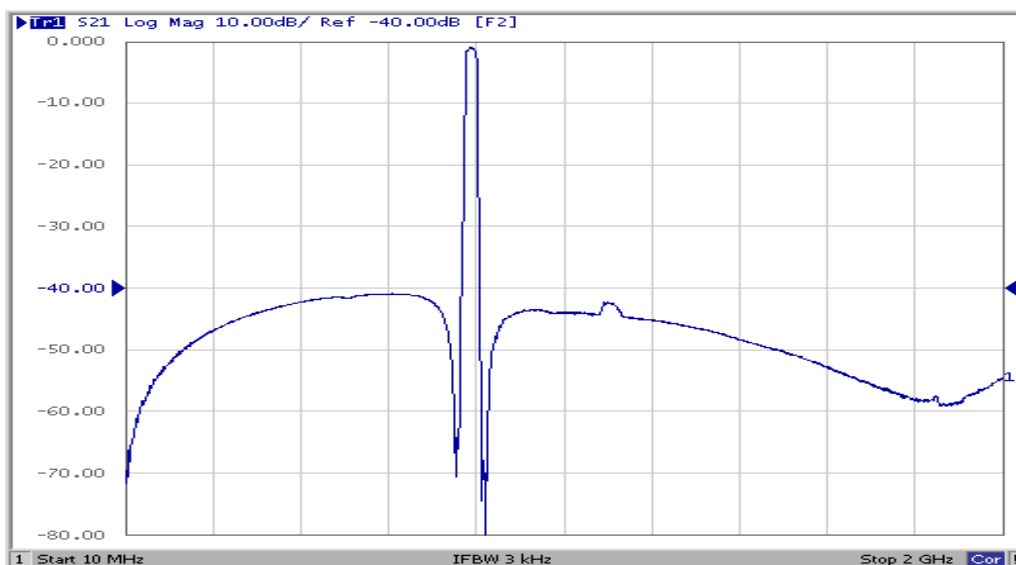
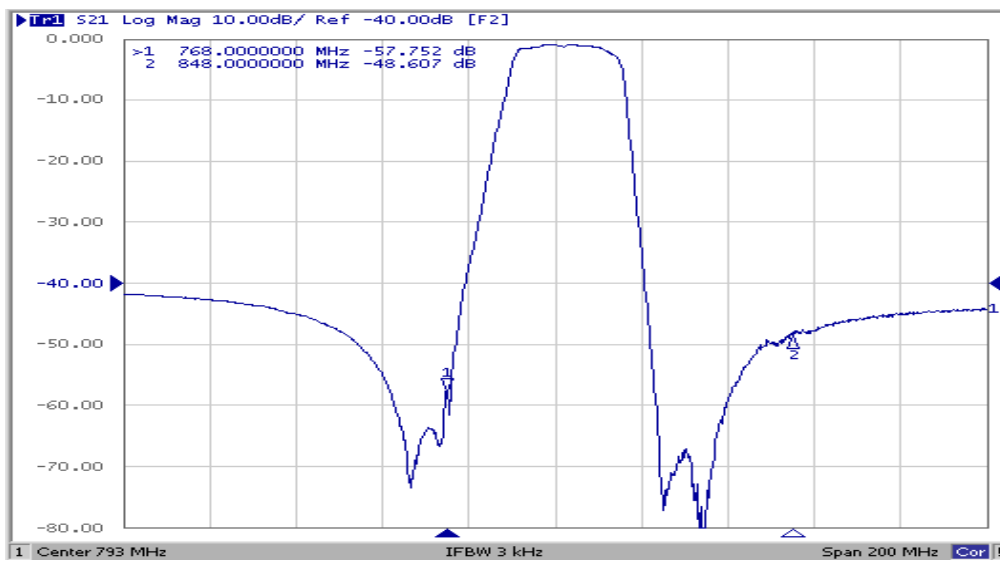
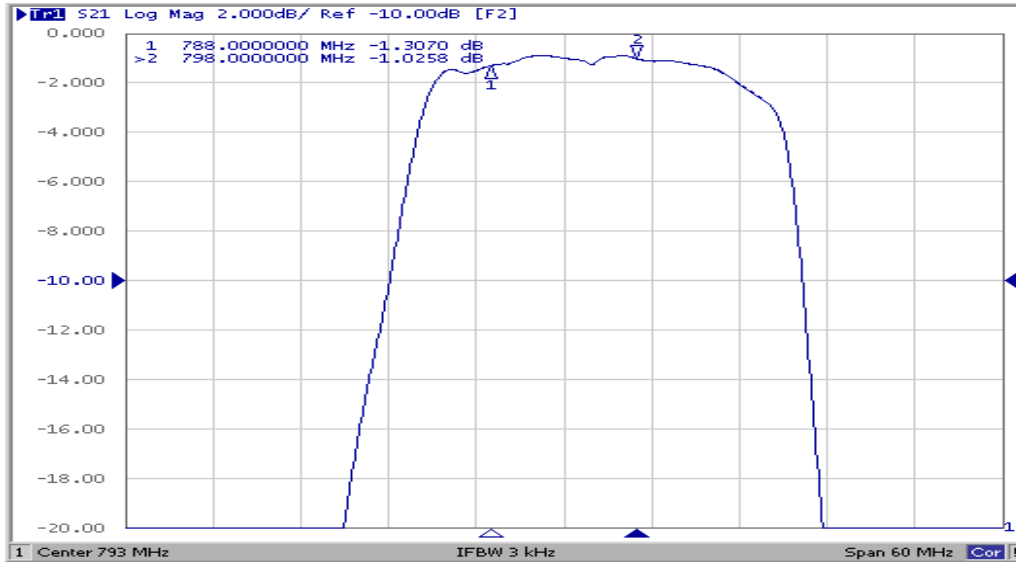
F. PCB FOOTPRINT:



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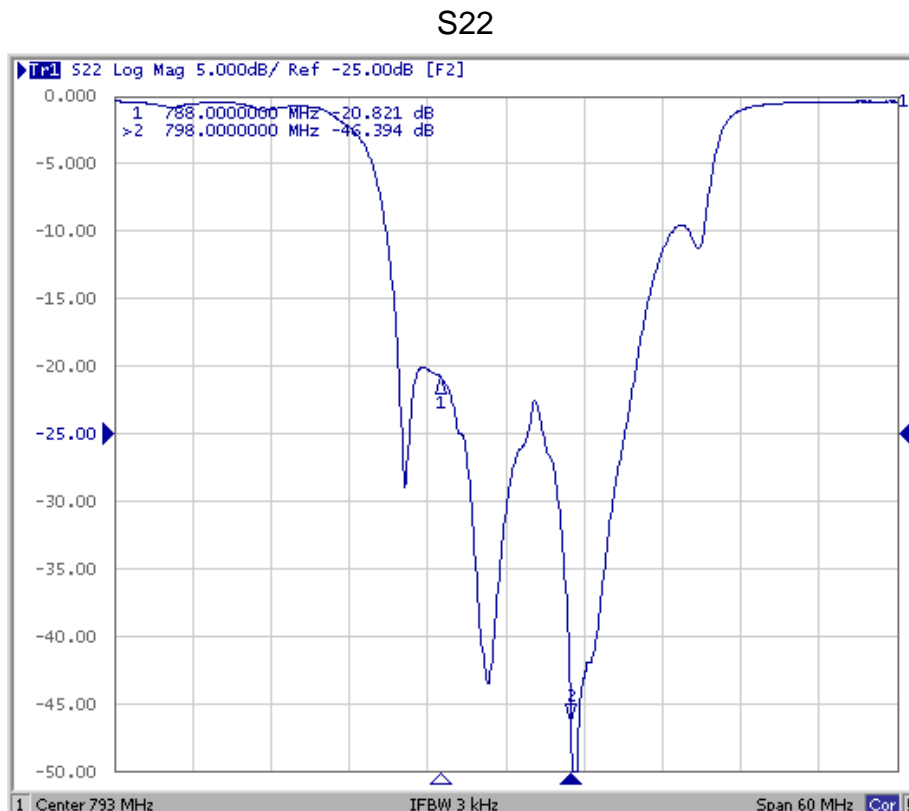
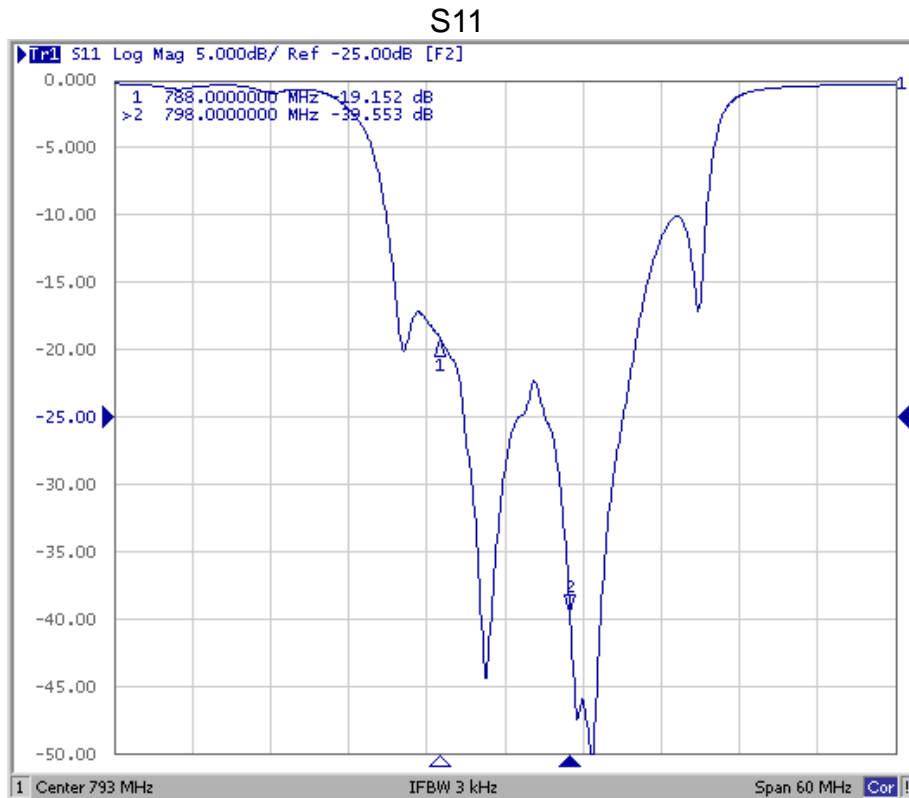
G. FREQUENCY CHARACTERISTICS: (typical performance at 25°C)



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Reflection Functions (typical performance at 25°C)



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I. 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 250 ± 10°C peak (max. 10 sec)
4. Time: 2 times.

