

**SAW Filter 482.0MHz**  
**Part No: MP11005**

**Model: TA2418A**  
**Rev No: 1**

**A. MAXIMUM RATING:**

Electrostatic Sensitive Device (ESD)

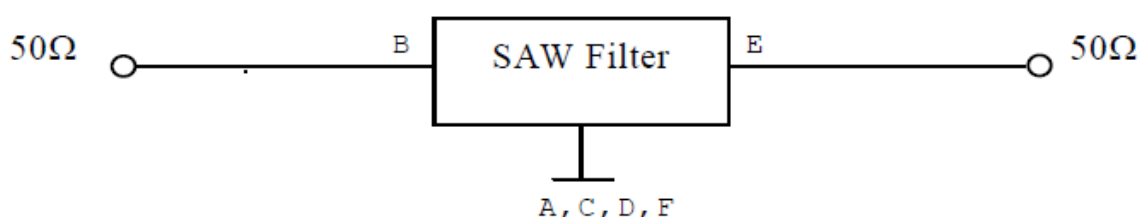
1. Input Power Level: 20dBm (CW for 70000 hrs at 25°C)
2. DC voltage: 5V
3. Operating Temperature: -40°C to +105°C
4. Storage Temperature: -40°C to +105°C
5. Moisture Sensitivity Level: Level 1 (MSL1)

**B. ELECTRICAL CHARACTERISTICS:**

| Item  | Unit   | min     | Typ | Max |
|---|--------|---------|-----|-----|
| Center Frequency Fc                         | MHz    |         | 482 |     |
| Insertion Loss 470~494MHz (0°C to +50°C)    | dB     |         | 2.4 | 3.5 |
| Insertion Loss 470~494MHz (-40°C to +105°C) | dB     |         | 2.4 | 4.0 |
| Return Loss 470~494MHz (0°C to +50°C)       | dB     | 12      | 16  |     |
| Passband 470~494MHz                         | MHz    | 24      | 30  |     |
| Attenuation (Reference level from 0dB)      |        |         |     |     |
| 10~320MHz                                   | dB     | 48      | 51  |     |
| 550~750MHz                                  | dB     | 38      | 40  |     |
| 750~1000MHz                                 | dB     | 32      | 35  |     |
| Temperature Coefficient of Frequency        | ppm/°C | -75 typ |     |     |

**C. MEASUREMENT CIRCUIT:**

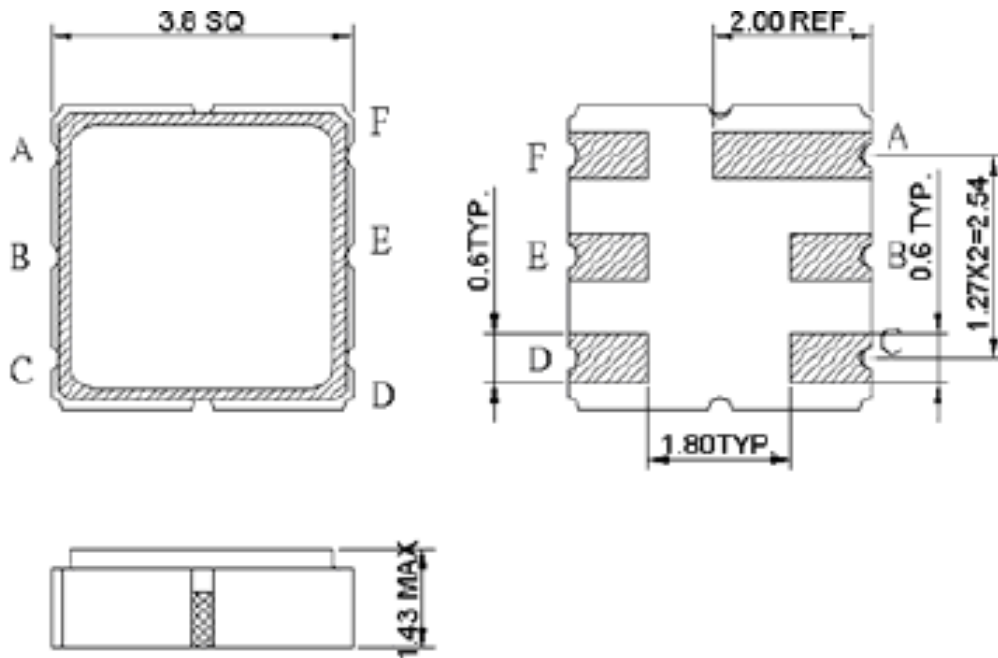
HP Network analyzer



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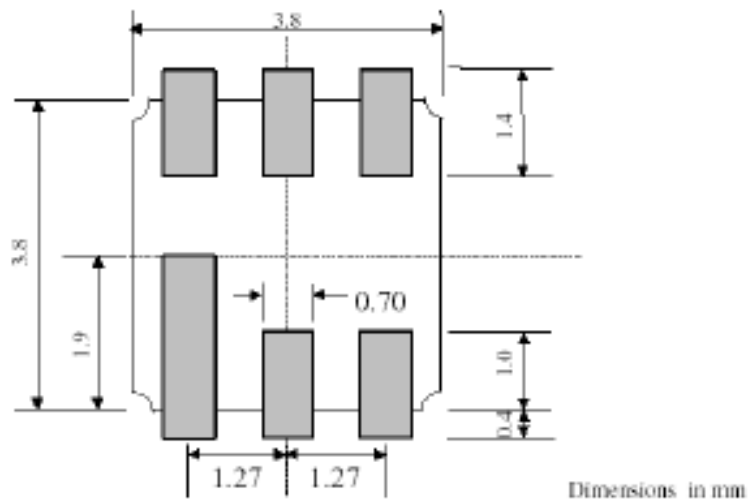
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**D. OUTLINE DRAWING:**



B: Input  
 E: Output  
 A, C, D, F: Ground  
 Unit: mm

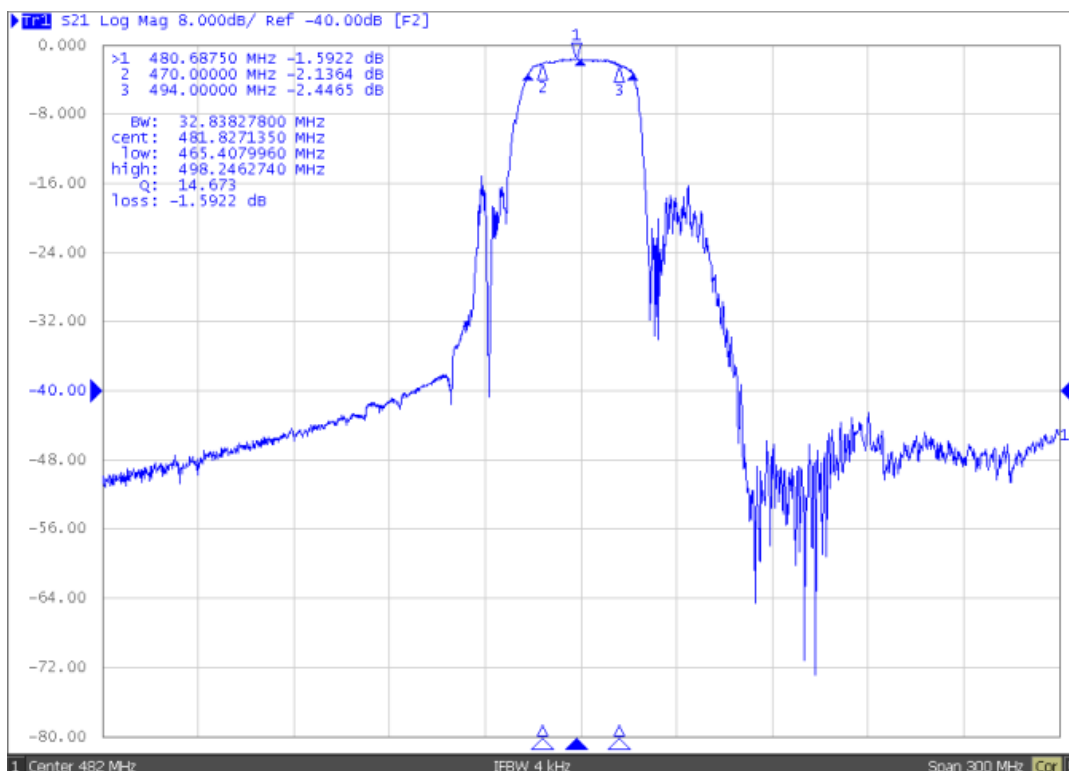
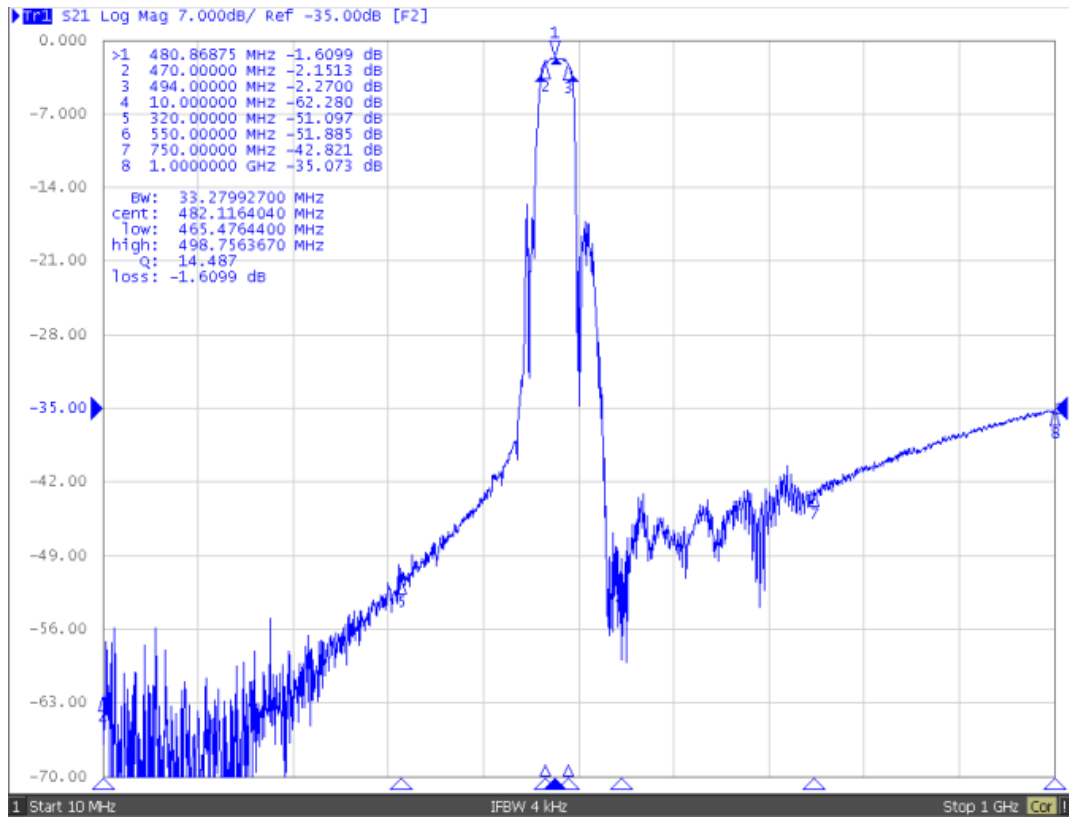
**E. PCB FOOTPRINT:**



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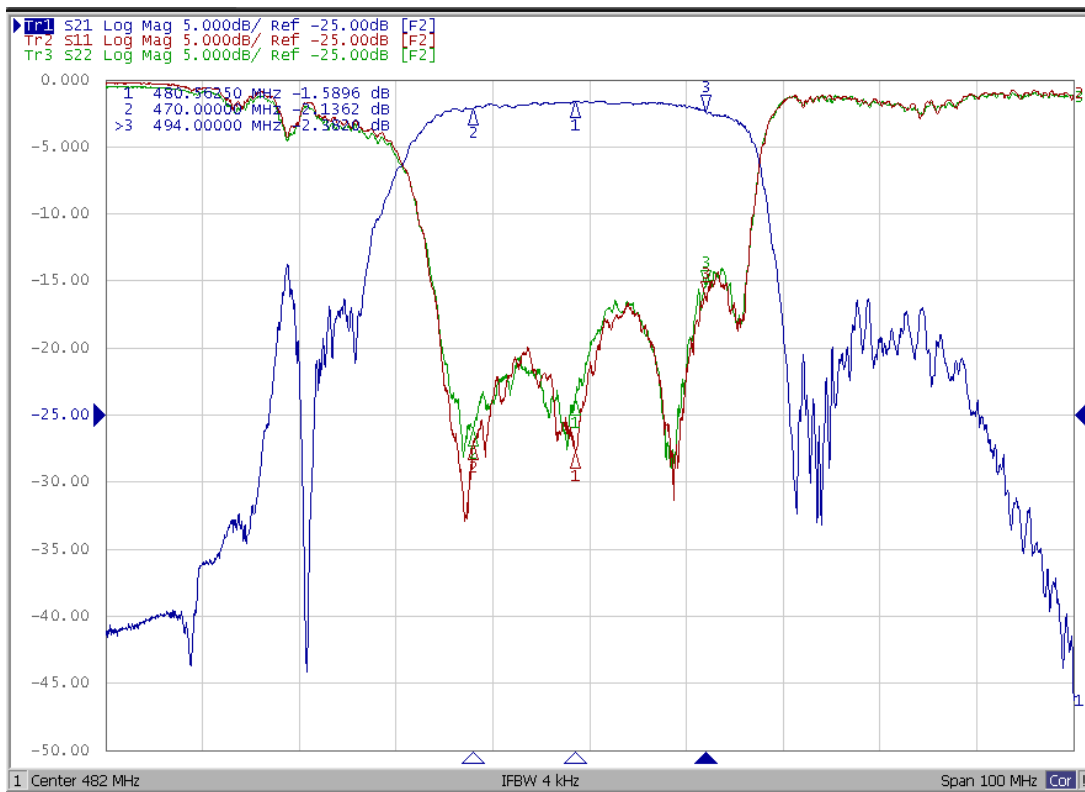
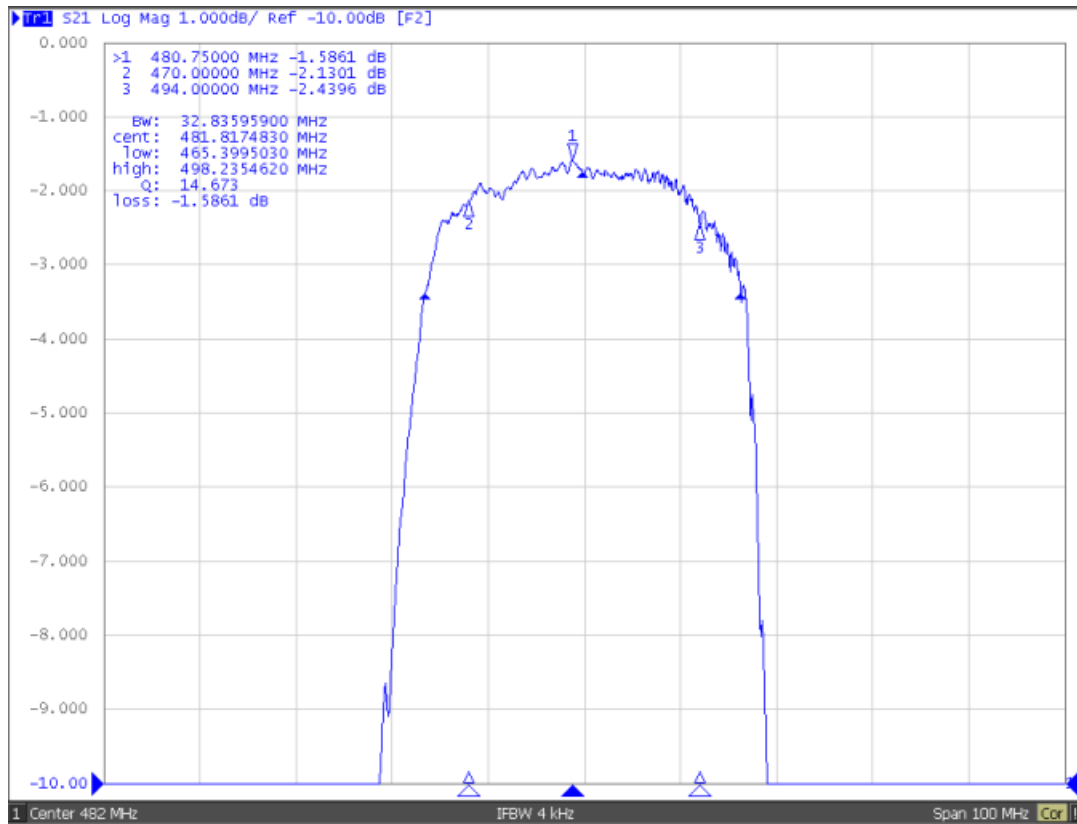
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**F. FREQUENCY CHARACTERISTICS:**



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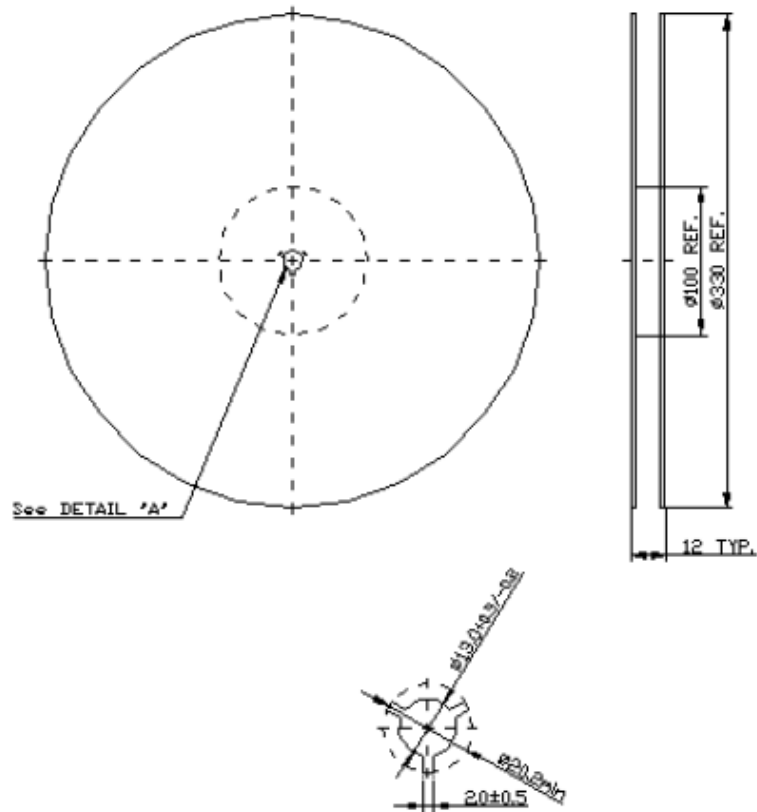


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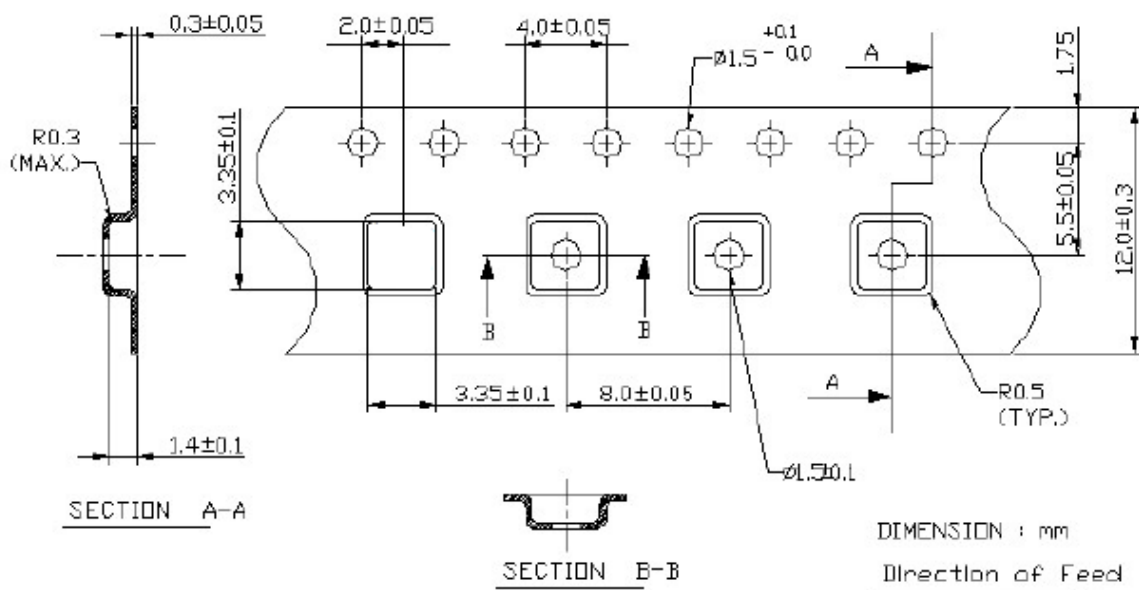
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**G. PACKING:**

1. Reel Dimensions



2. Tape Dimensions



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**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.

