

**SAW Filter 1330.0MHz**  
**Part No: MP04221**

**Model: TA1387A**  
**Rev No: 1**

**A. MAXIMUM RATING:**

Electrostatic Sensitive Device (ESD)

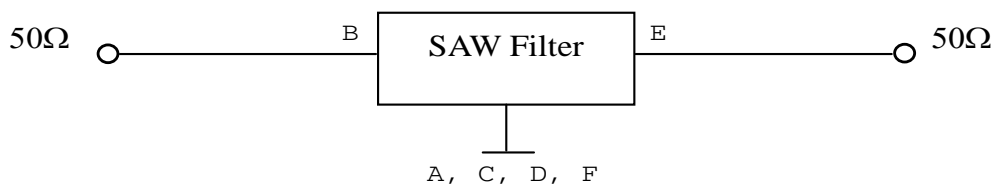
1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -50°C to +85°C
4. Storage Temperature: -50°C to +85°C

**B. ELECTRICAL CHARACTERISTICS:**

| Item                               | Unit | Min. | Typ. | Max. |
|------------------------------------|------|------|------|------|
| Center frequency Fc                | MHz  | -    | 1330 | -    |
| Insertion loss IL (1290 ~ 1370MHz) | dB   | -    | 5.4  | 7    |
| Amplitude ripple (1290 ~ 1370MHz)  | dB   | -    | 1    | 2.3  |
| VSWR (1290 ~ 1370MHz)              |      | -    | 1.7  | 2.5  |
| Attenuation (reference from 0dB)   |      |      |      |      |
| 10 ~ 1200MHz                       | dB   | 40   | 44   | -    |
| 1450 ~ 3000MHz                     | dB   | 33   | 37   | -    |
| 3000 ~ 4000MHz                     | dB   | 22   | 26   | -    |
| 4000 ~ 5000MHz                     | dB   | 12   | 10   | -    |
| 5000 ~ 6000MHz                     | dB   | 6    | 5    | -    |
| Source impedance Z <sub>S</sub>    | Ω    | -    | 50   | -    |
| Load impedance Z <sub>L</sub>      | Ω    | -    | 50   | -    |

**C. MEASUREMENT CIRCUIT:**

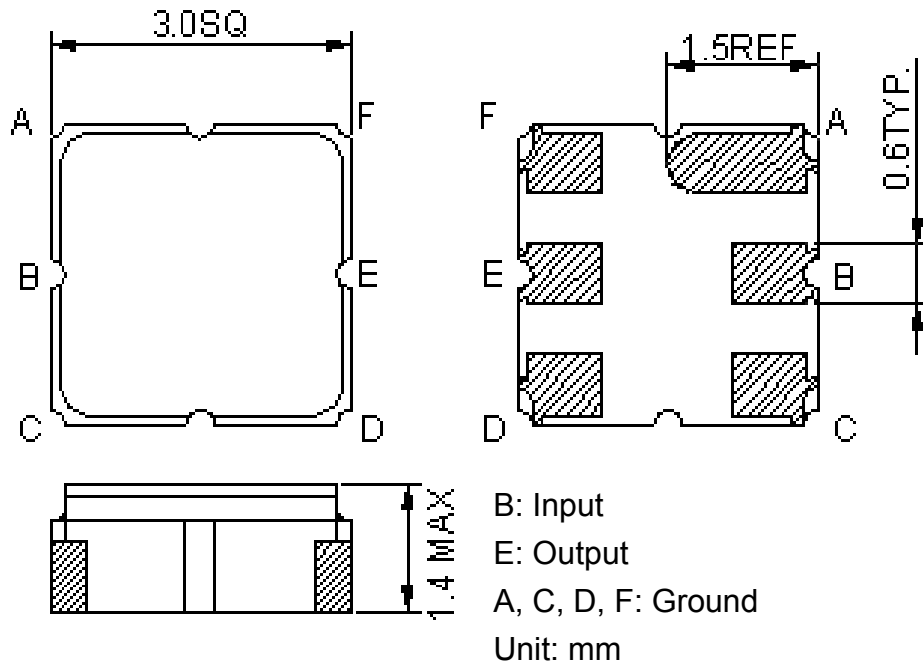
HP Network analyzer



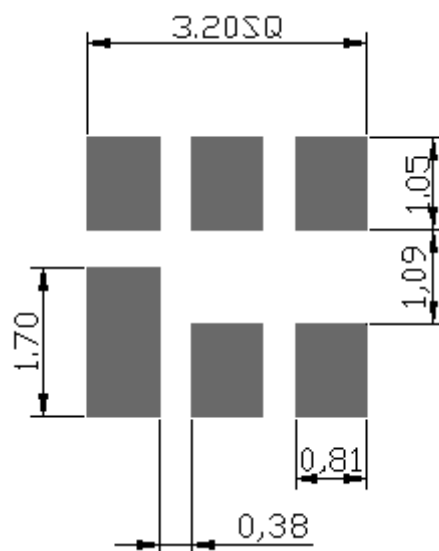
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**D. OUTLINE DRAWING:**



**E. PCB FOOTPRINT:**

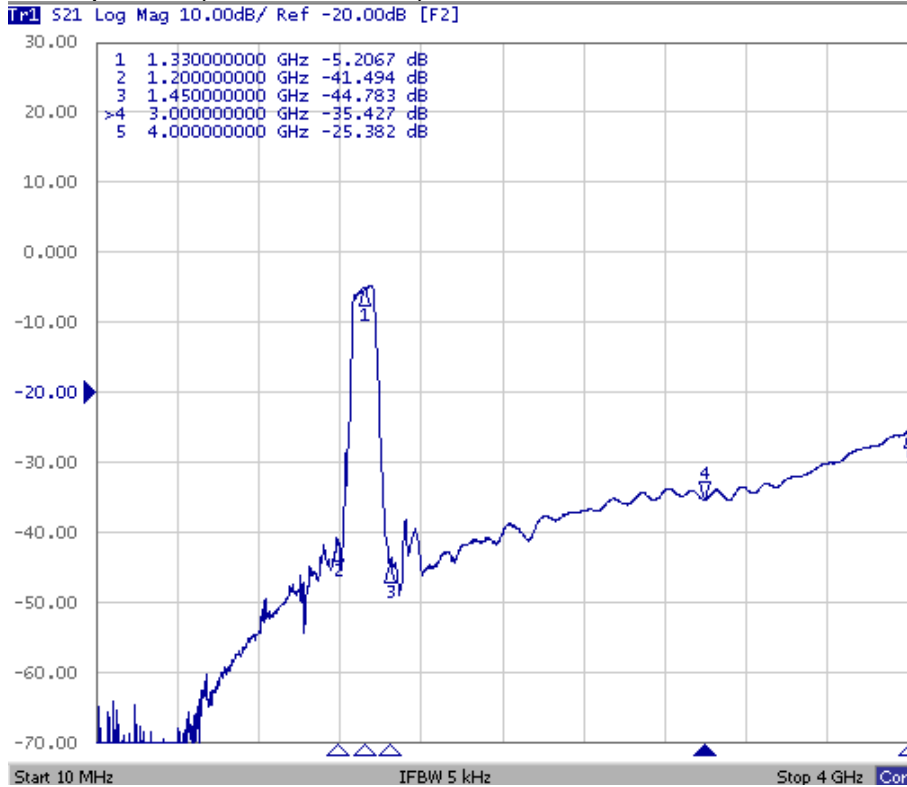


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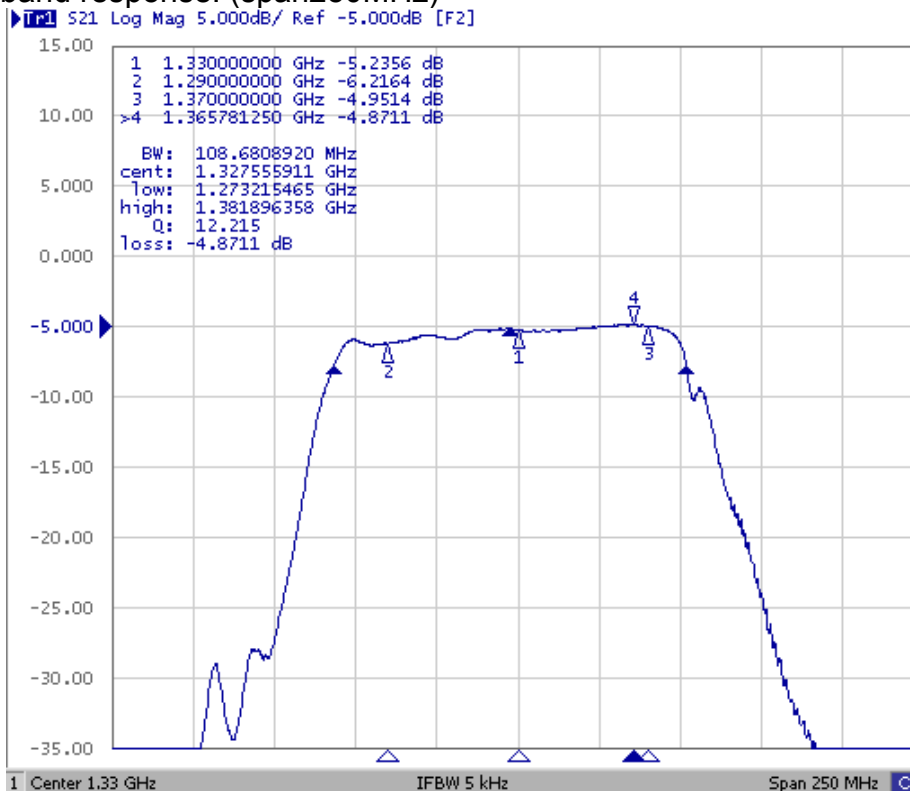
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**F. FREQUENCY CHARACTERISTICS:**

1. Wideband response: (10 ~ 4000MHz)



2. Narrowband response: (span250MHz)

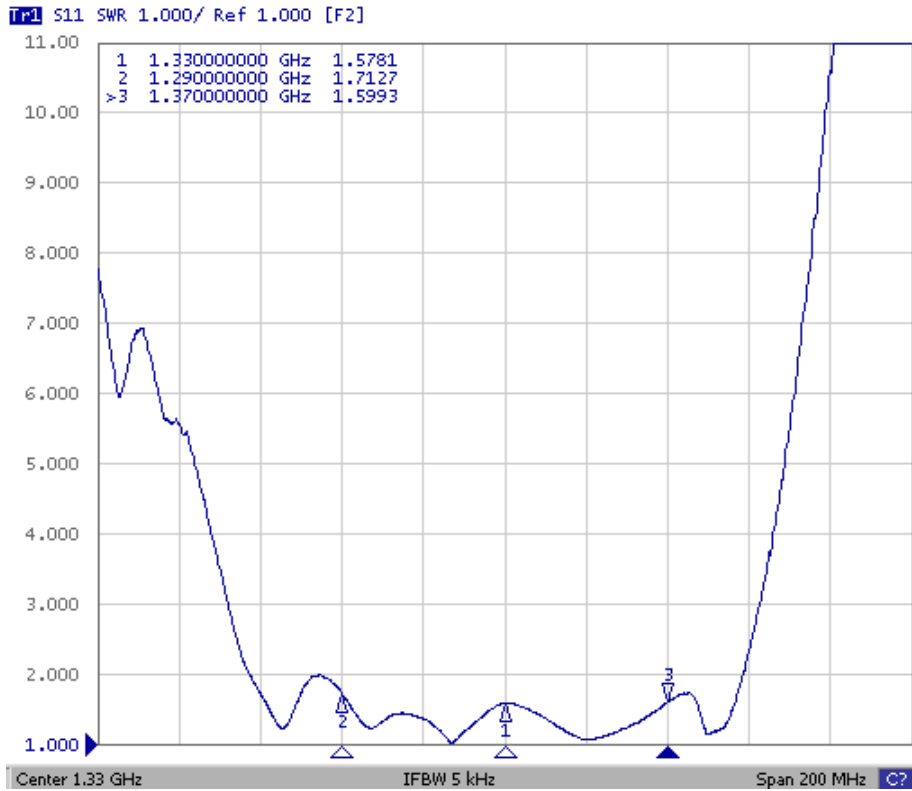


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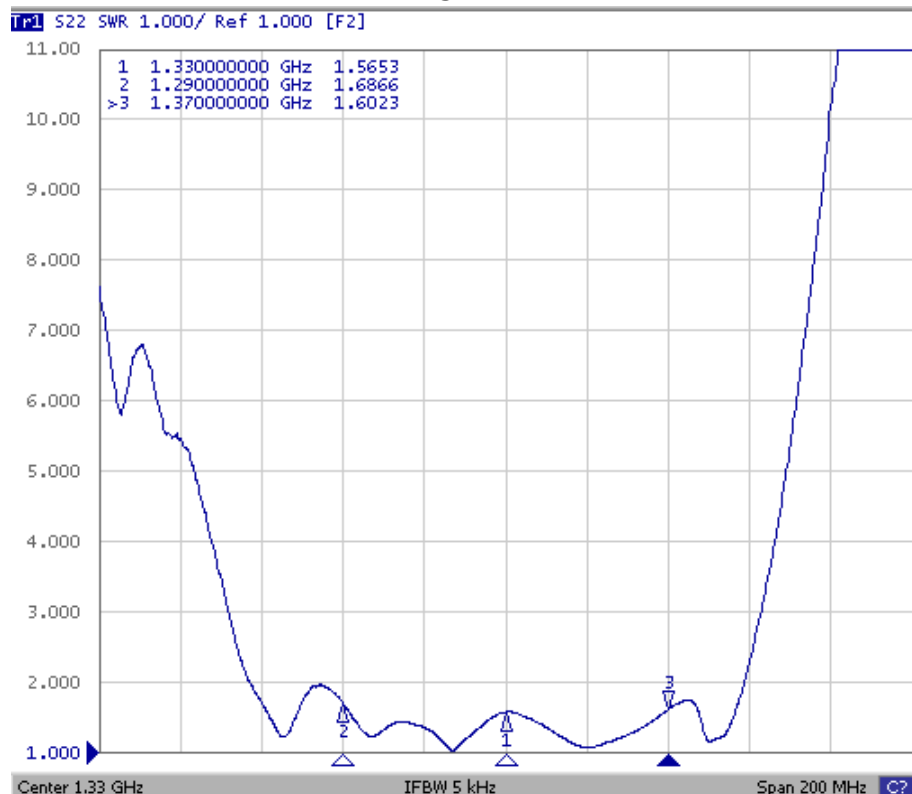
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3. VSWR (span 200MHz)

S11



S22



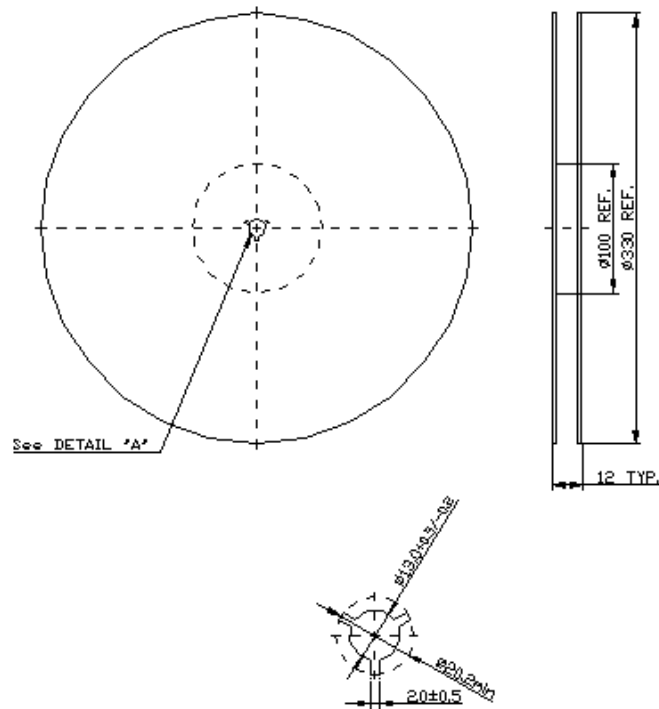
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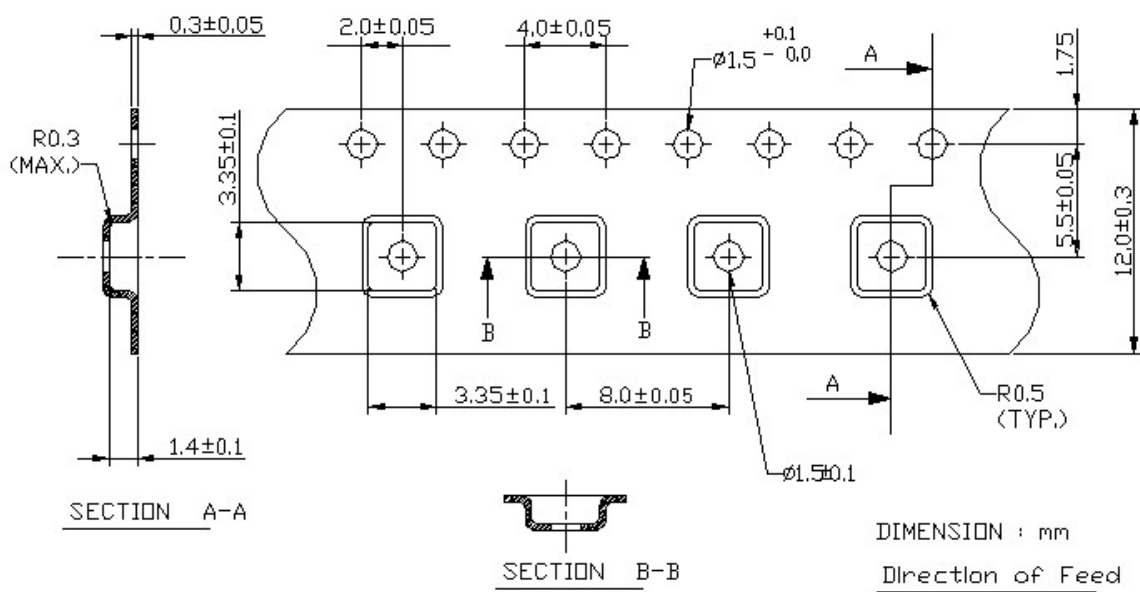
**G. PACKING:**

1. Reel Dimension

(Reel Count: 7" = 1000; 13" = 3000)



2. Tape Dimension



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**H. RECOMMENDED REFLOW PROFILE:**

