

**SAW Filter 1575.0MHz**

**Part No: MP11551**

**Rev No: 2**

**A. MAXIMUM RATING:**

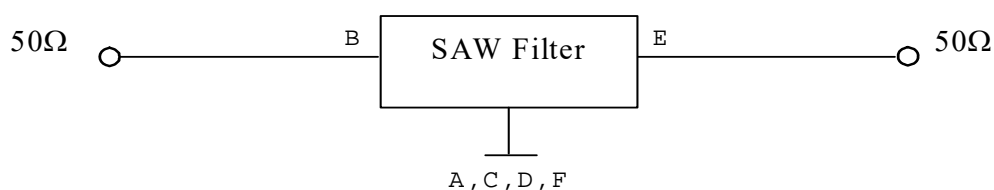
1. Input Power Level: 20dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

**B. ELECTRICAL CHARACTERISTICS:**

| Item                                   | Unit | Min. | Typ. | Max. | Note |
|--|------|------|------|------|------|
| Center Frequency Fc                    | MHz  | -    | 1575 | -    | -    |
| Insertion Loss (1565 ~ 1585MHz) IL     | dB   | -    | 1.45 | 2.8  | -    |
| Amplitude Ripple (1565 ~ 158 MHz)      | dB   | -    | 0.3  | 2    | -    |
| VSWR (1565 ~ 158 MHz)                  |      | -    | 1.2  | 2    | -    |
| Relative Attenuation (relative to 0dB) |      |      |      |      |      |
| D.C. ~ 600MHz                          | dB   | 30   | 36.7 | -    | -    |
| 600 ~ 1500MHz                          | dB   | 27   | 34   | -    | -    |
| 1500 ~ 1525MHz                         | dB   | 20   | 40   | -    | -    |
| 1625 ~ 1675MHz                         | dB   | 20   | 42   | -    | -    |
| 1675 ~ 3000MHz                         | dB   | 30   | 36.8 | -    | -    |

**C. MEASUREMENT CIRCUIT:**

HP Network analyzer

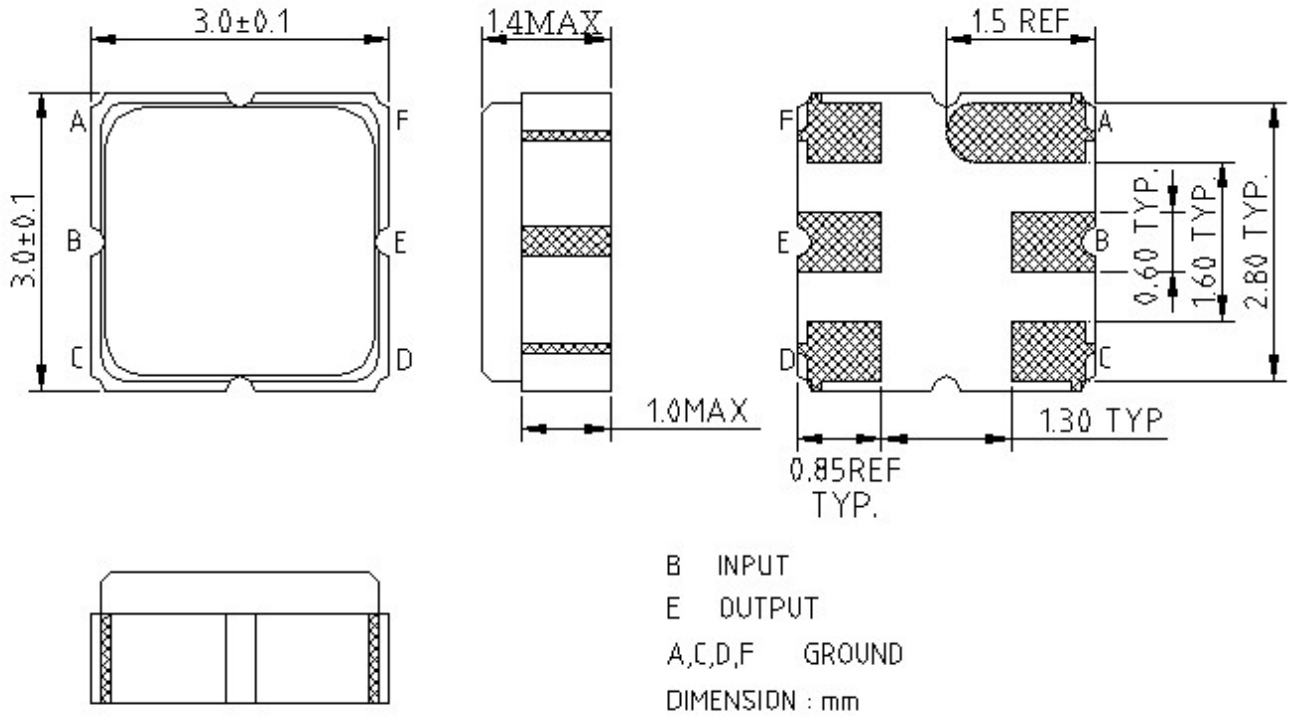


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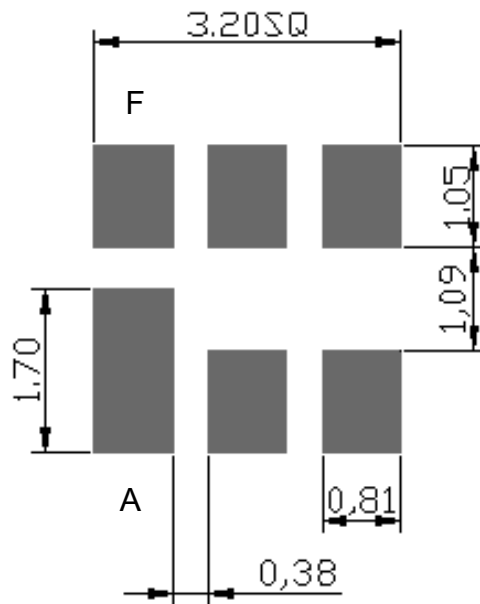
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**D. OUTLINE DRAWING:**



**E. PCB FOOTPRINT:**

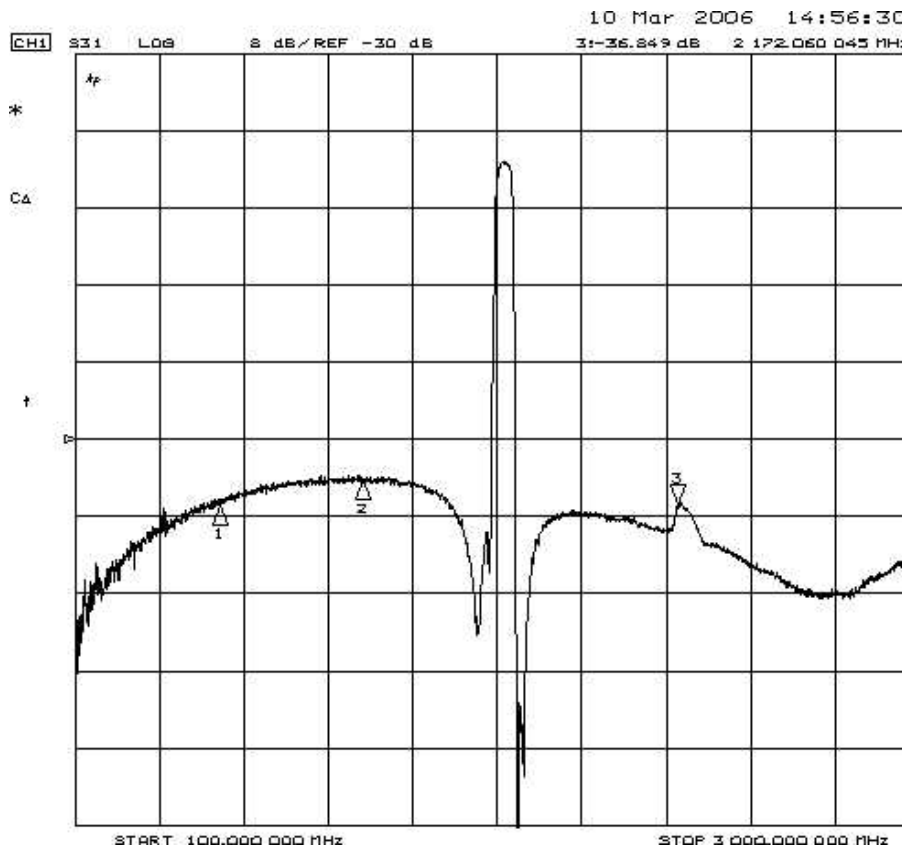
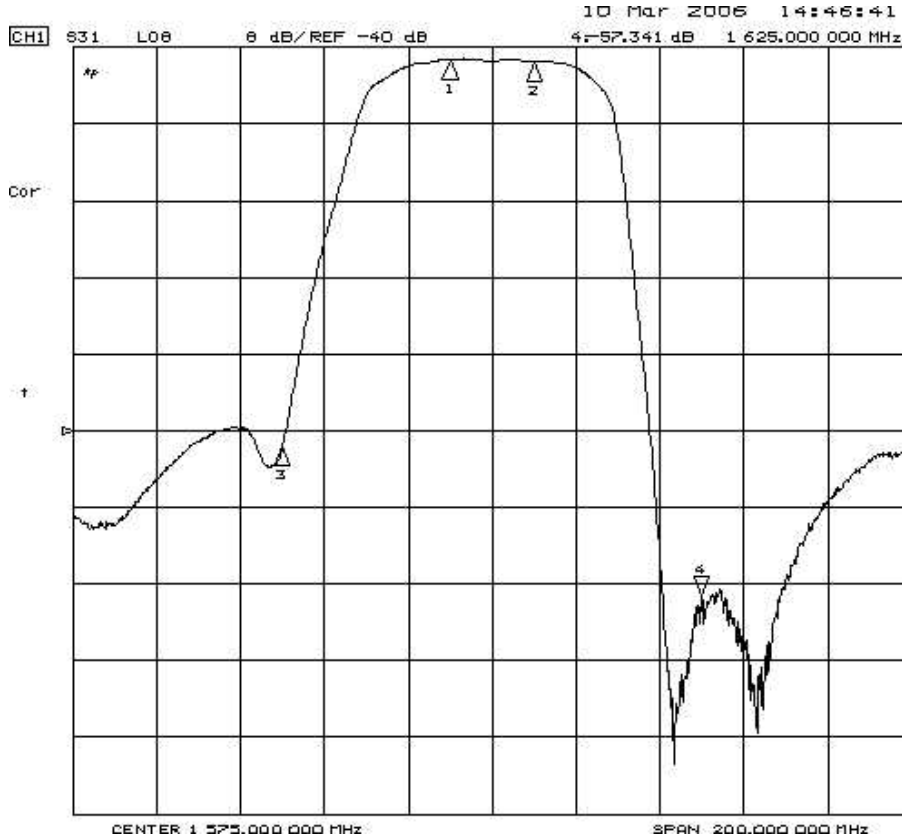


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**F. FREQUENCY CHARACTERISTICS:**



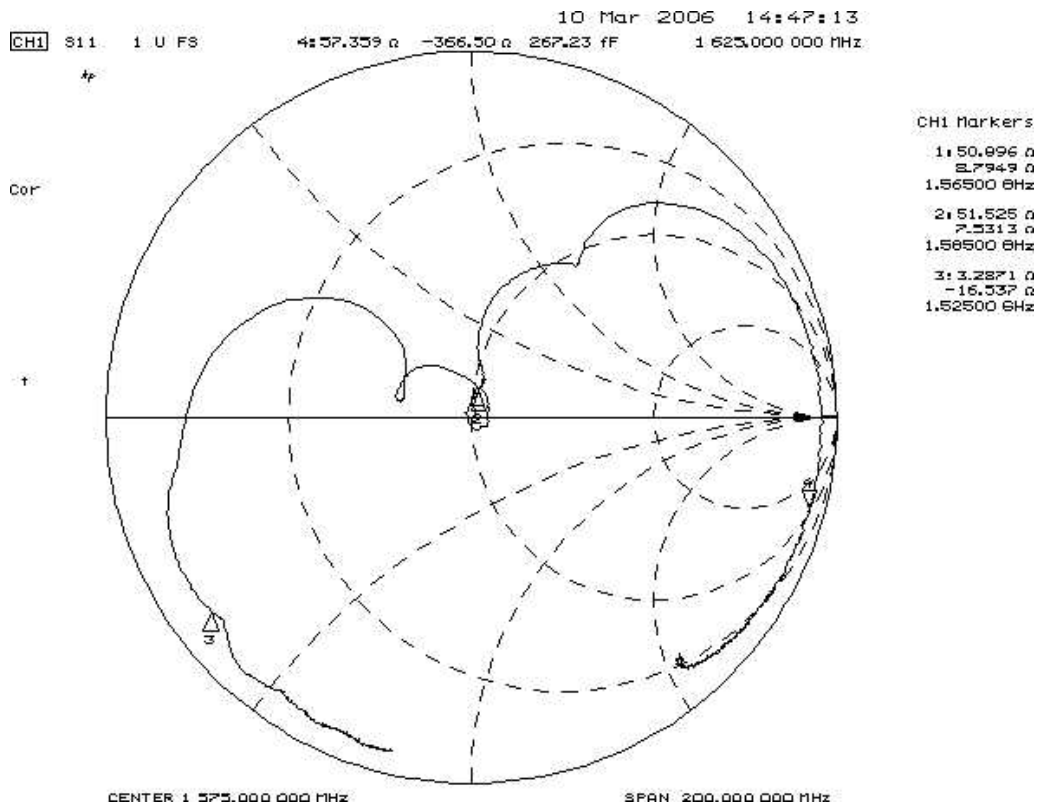
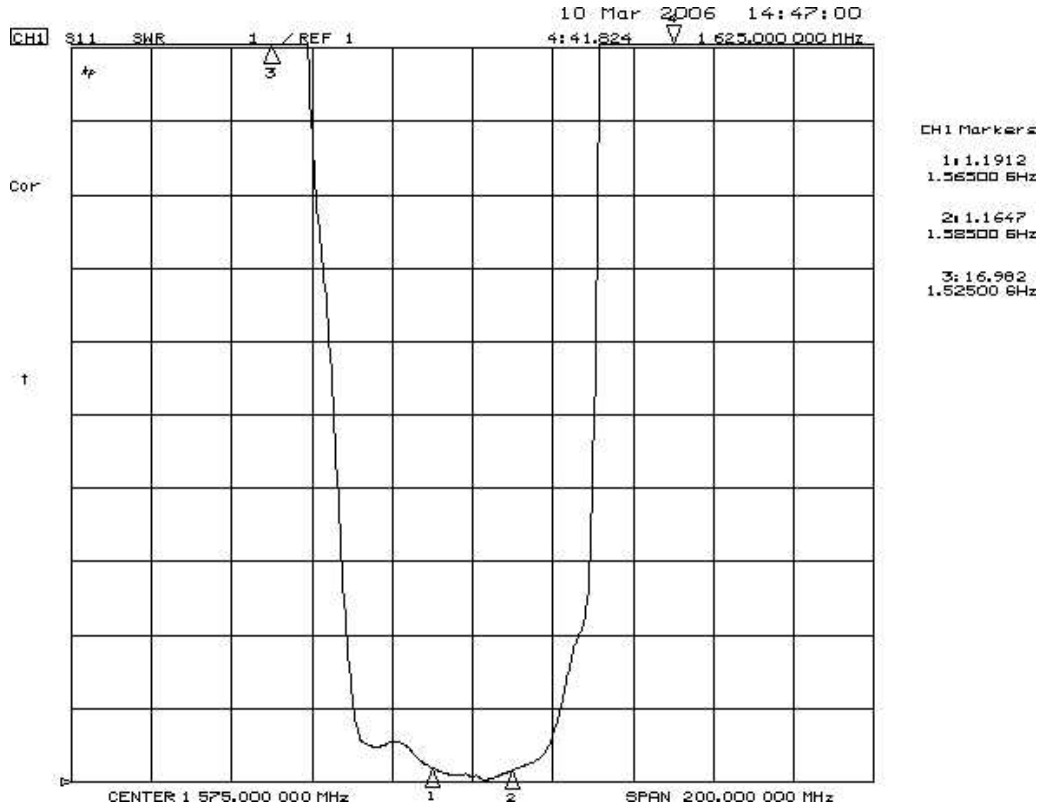
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Reflections Functions

S11 VSWR

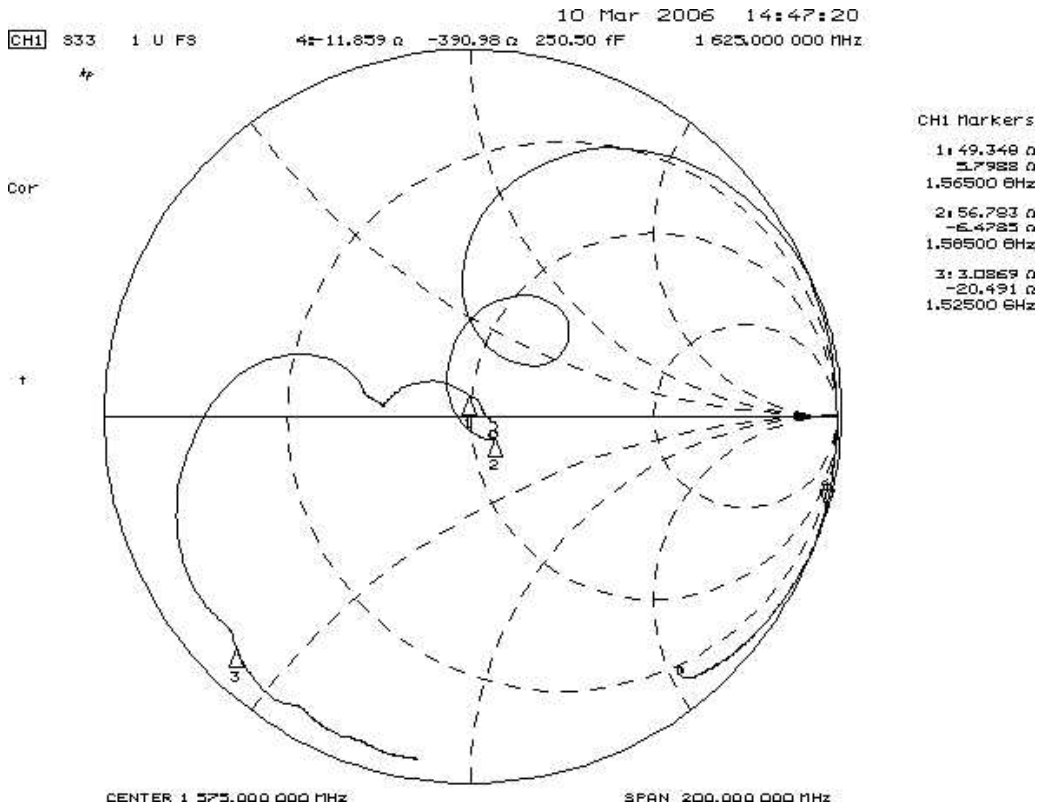
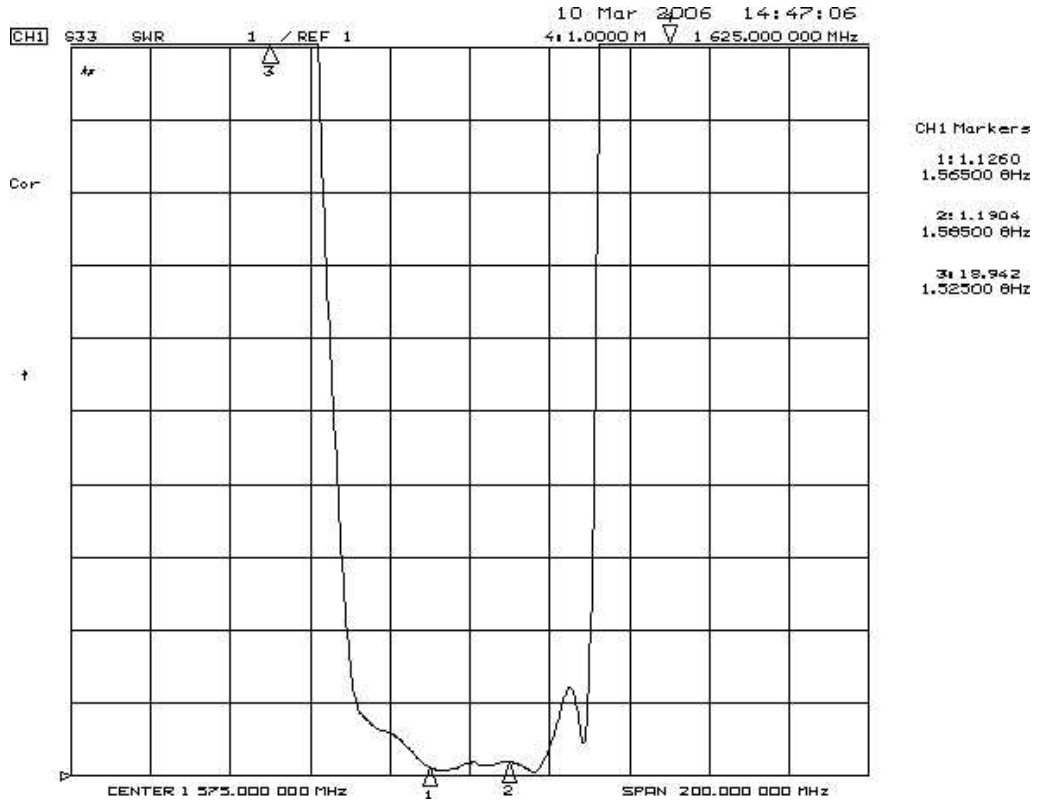


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**S22 VSWR**



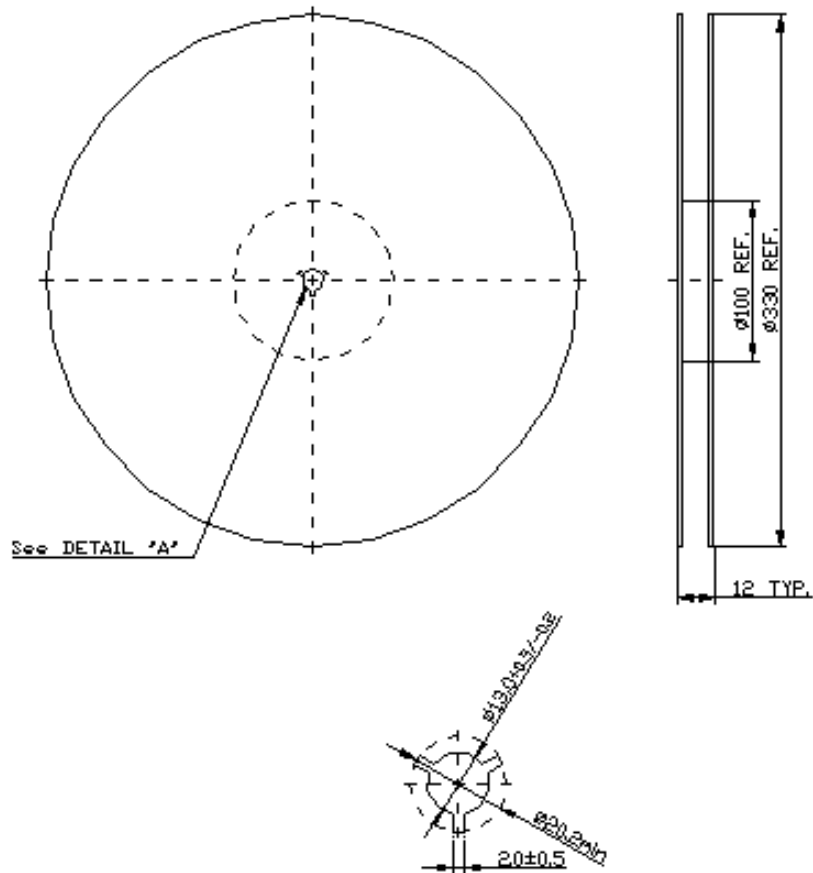
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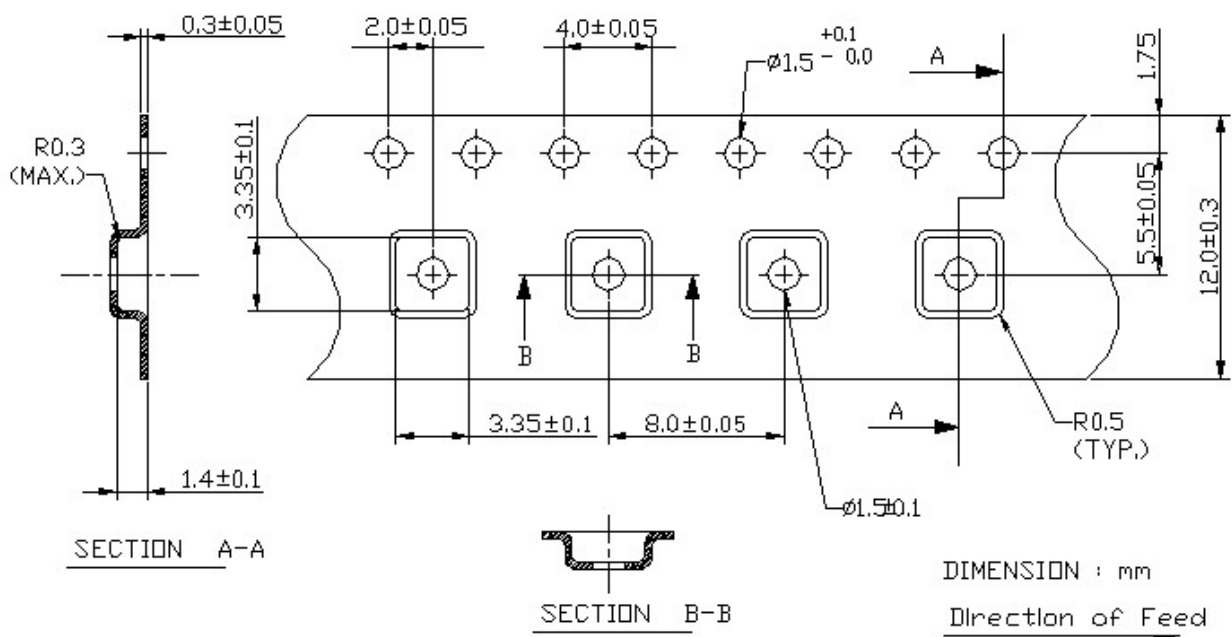
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**G. PACKING:**

1. Reel Dimensions



2. Tape Dimensions



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**H. RECOMMENDED REFLOW PROFILE:**

