

SAW Filter 1227.0MHz
Part No: MP01667

Model: TA1227LL
Rev No: 3

A. MAXIMUM RATING:

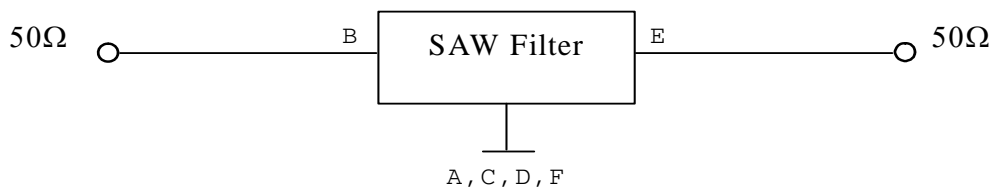
1. Input Power Level: 20dBm
2. DC Voltage: 3V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -30°C to +85°C
5. Moisture Sensitive Level: Level 1 (MSL1)

B. ELECTRICAL CHARACTERISTICS:

| Item | Unit | Min. | Typ. | Max. | Note |
|--|------|------|------|------|------|
| Center Frequency Fc | MHz | - | 1227 | - | - |
| Insertion Loss at 1227MHz IL | dB | - | 0.95 | 1.3 | - |
| Amplitude Ripple (1217 ~ 1237MHz) | dB | - | 0.1 | 2 | - |
| VSWR (1217 ~ 1237MHz) | | - | 1.3 | 2.0 | - |
| Relative Attenuation (relative to 0dB) | | | | | |
| D.C. ~ 600MHz | dB | 10 | 24.6 | - | - |
| 600 ~ 1177MHz | dB | 10 | 21.6 | - | - |
| 1277 ~ 1290MHz | dB | 20 | 36 | - | - |
| 1290 ~ 3000MHz | dB | 10 | 25.2 | - | - |

C. MEASUREMENT CIRCUIT:

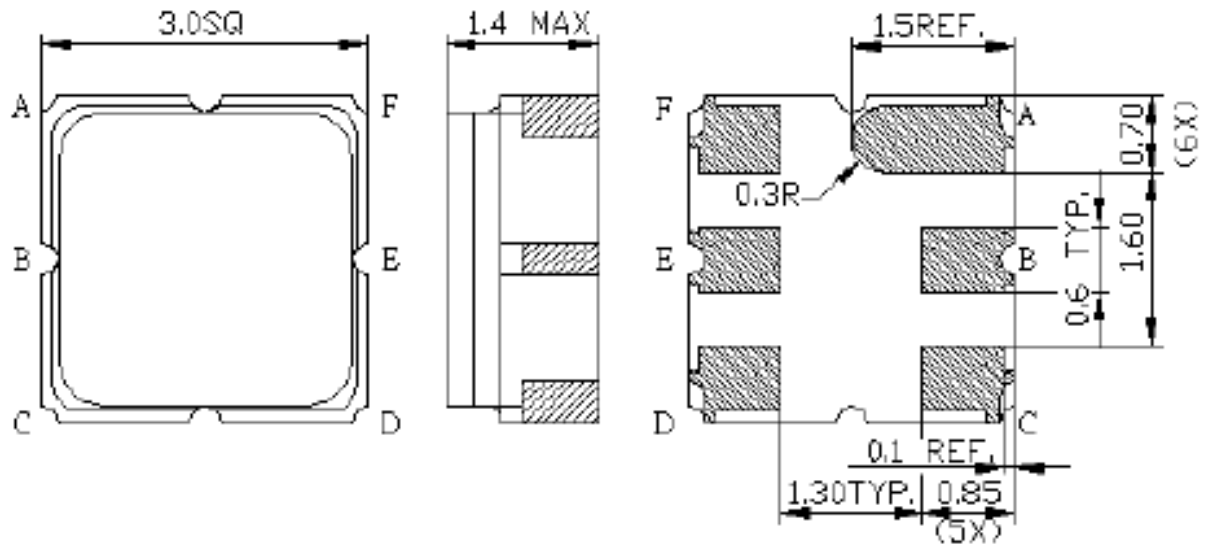
HP Network analyzer



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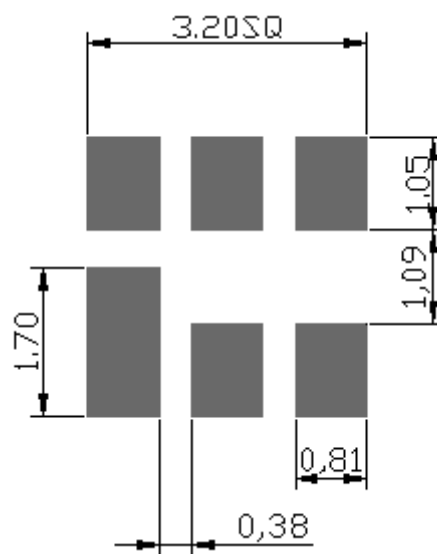
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D. OUTLINE DRAWING:



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

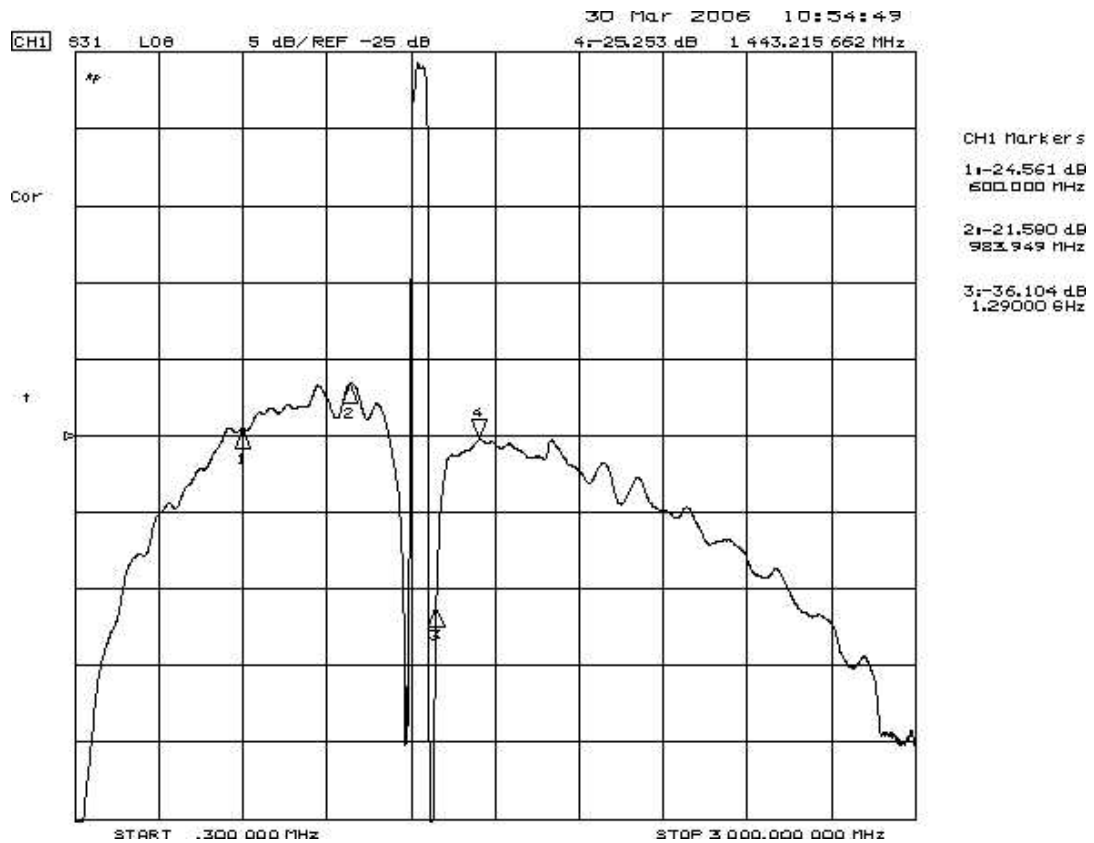
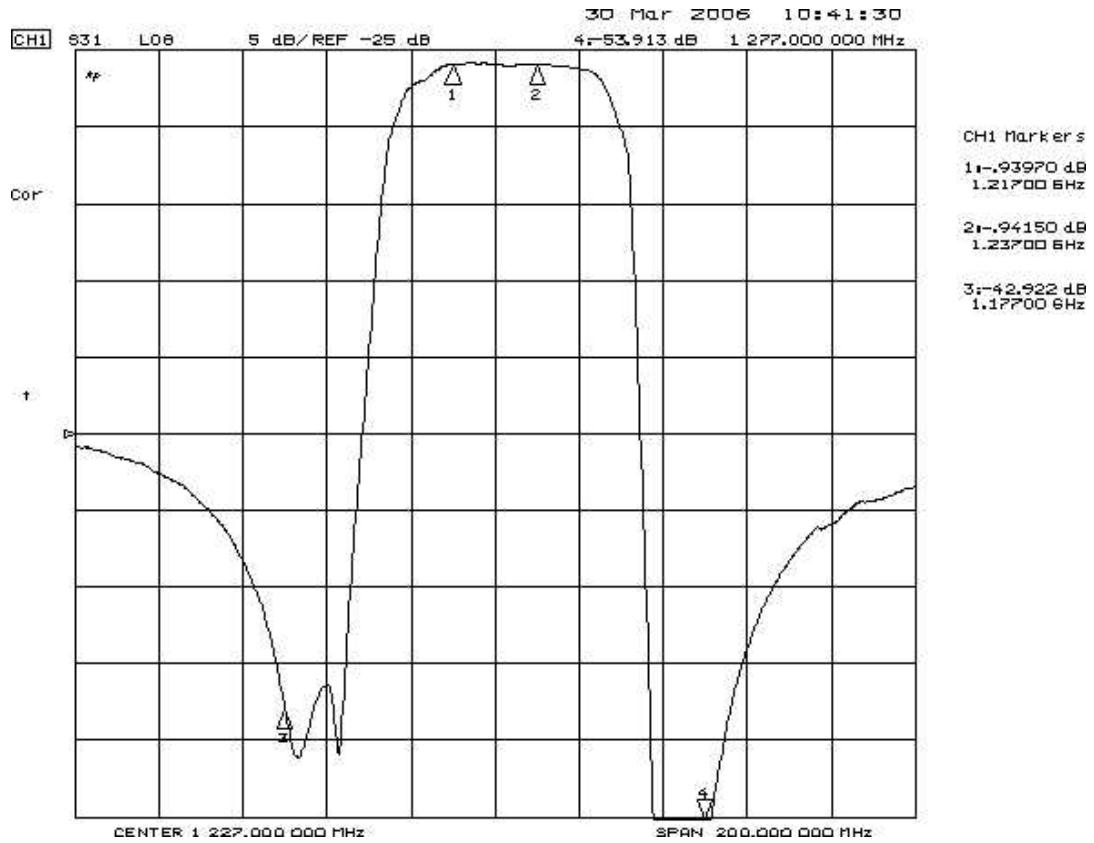
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

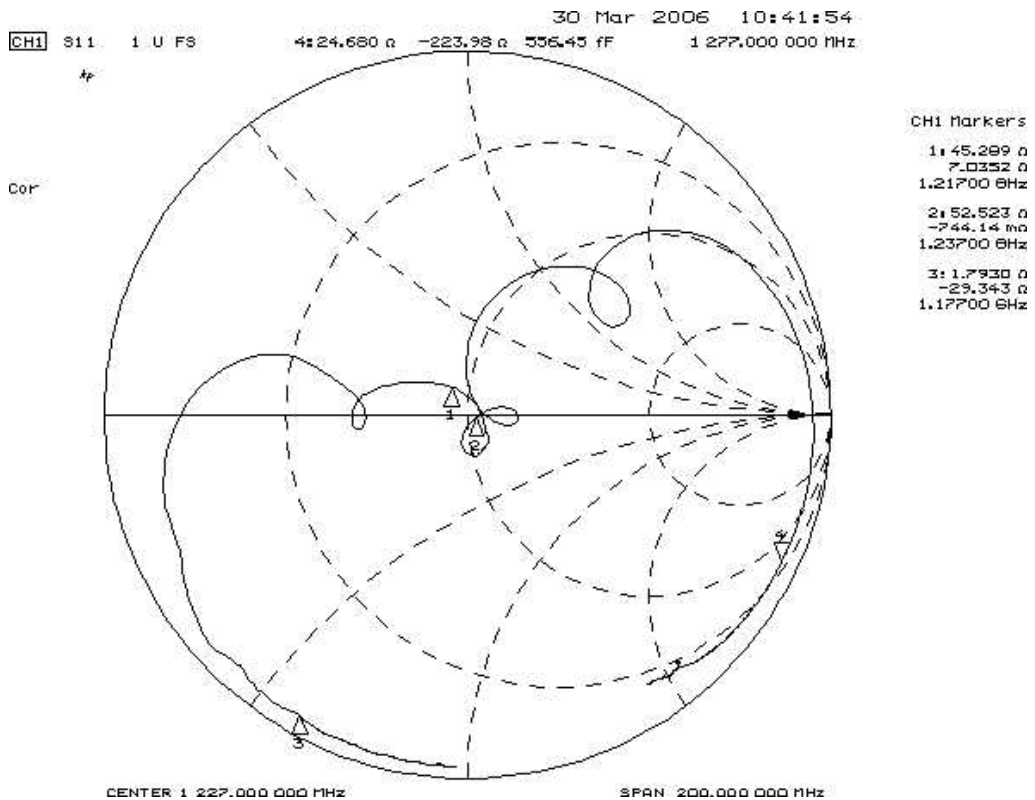
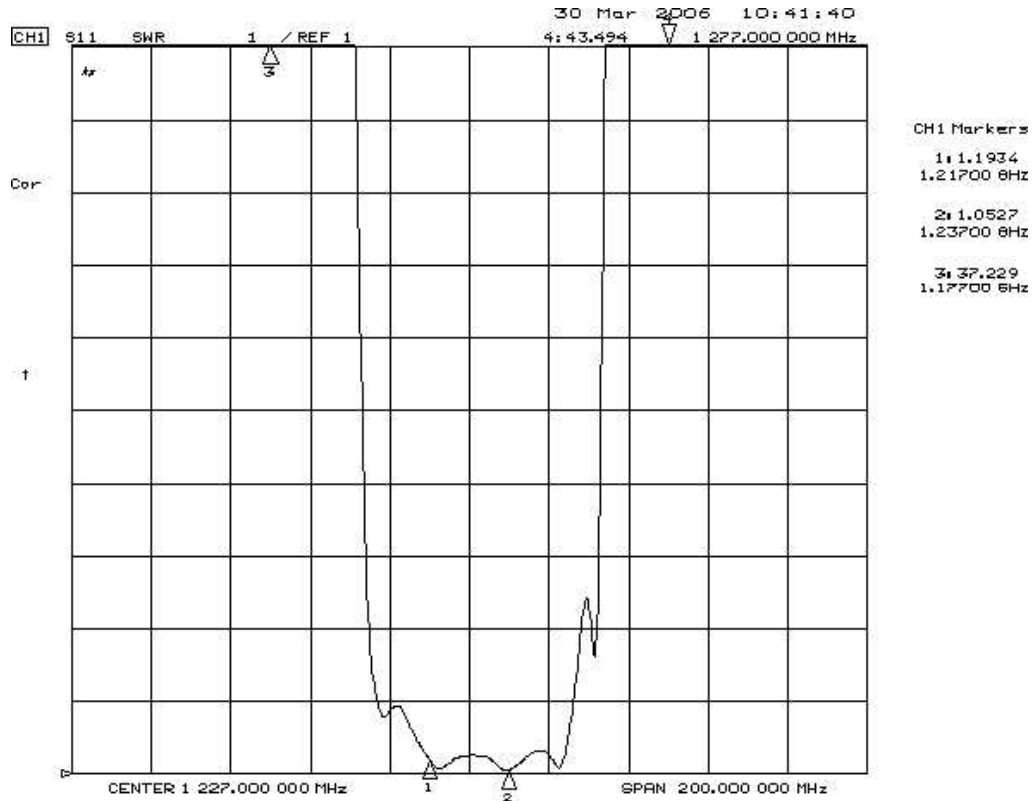


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Reflections Functions

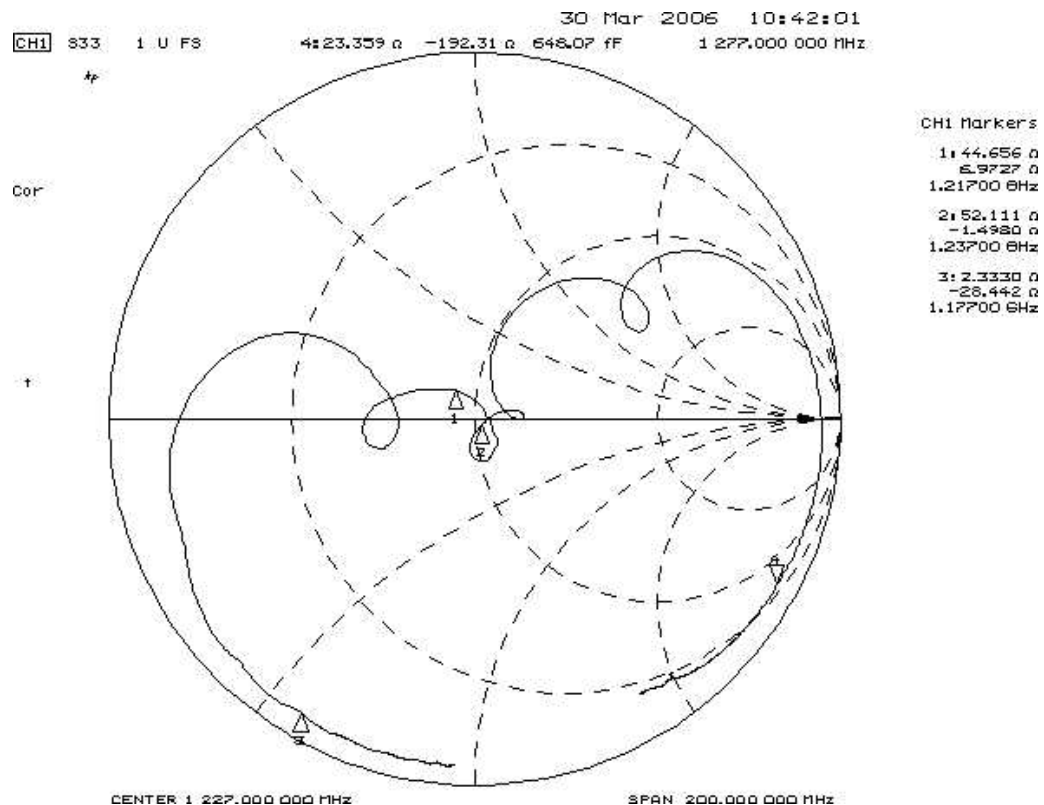
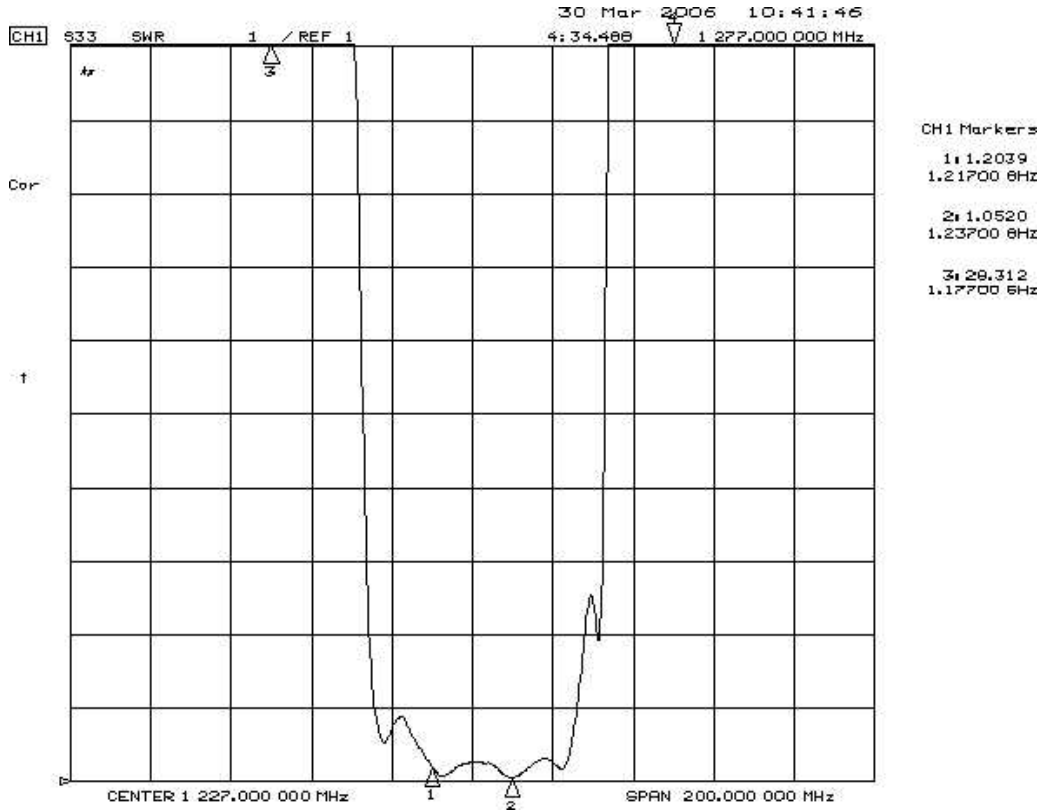
S11 VSWR



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S22 VSWR

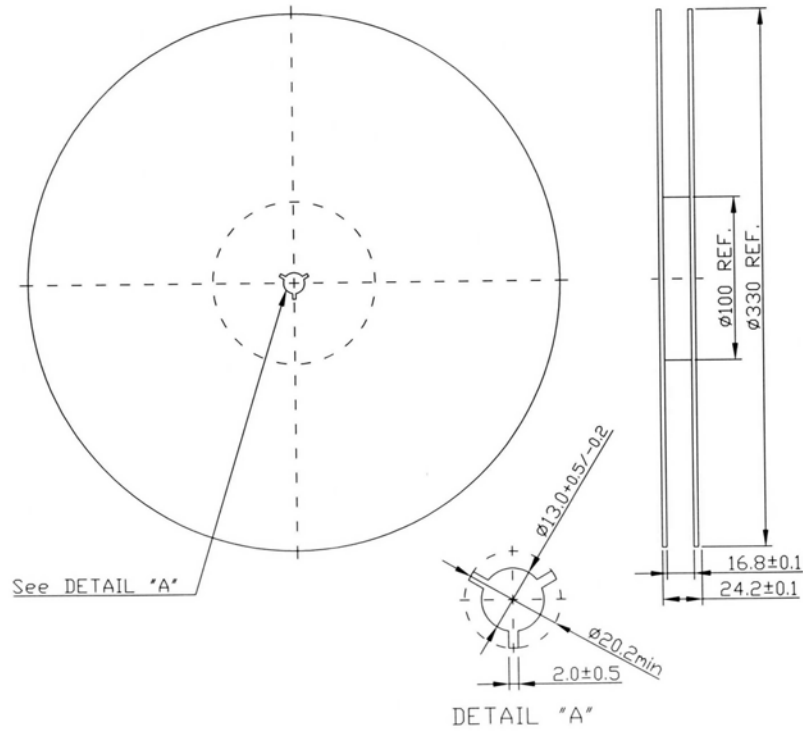


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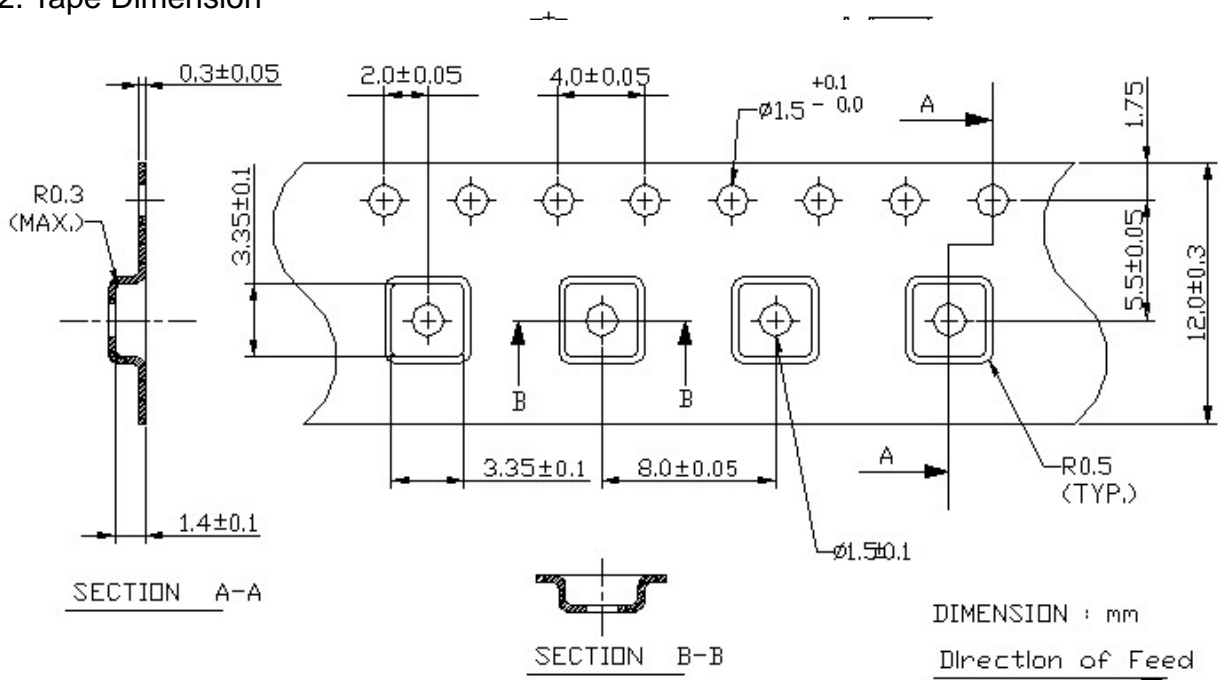
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G. PACKING:

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



2. Tape Dimension



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H. RECOMMENDED REFLOW PROFILE:

