

**SAW Filter 1575.0MHz**  
**Part No: MP08747**

**Model: TA1575BBB**  
**Rev No: 1**

**A. MAXIMUM RATING:**

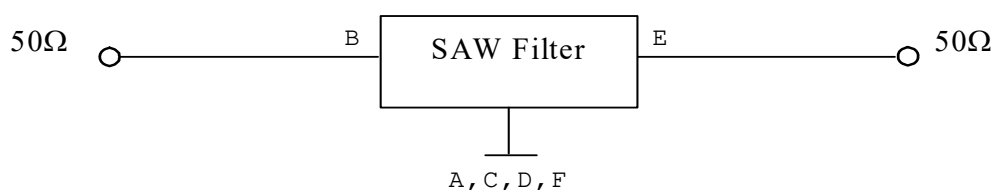
1. Input Power Level: 20dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

**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:**

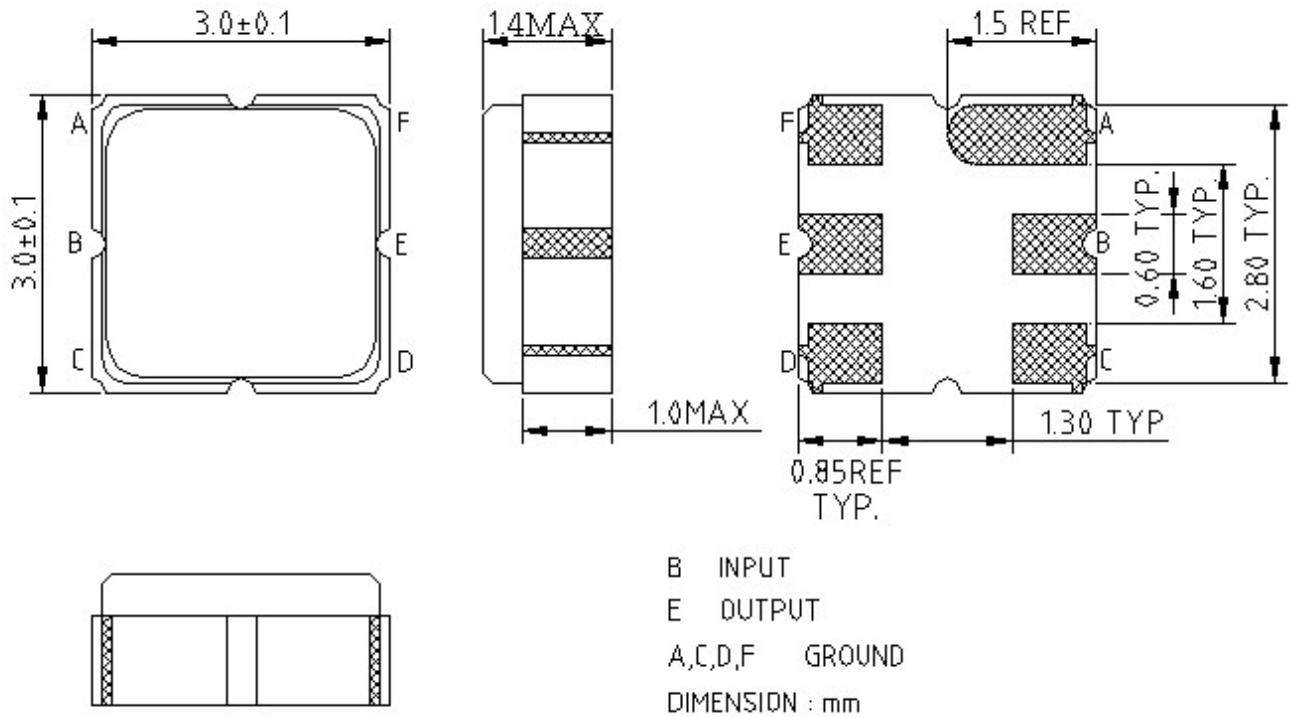
HP Network analyzer



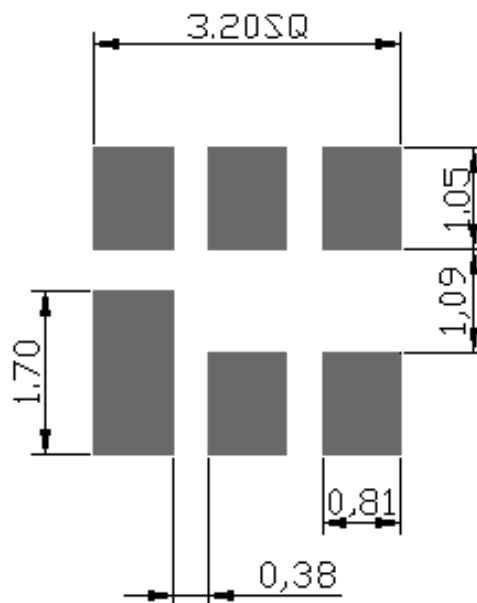
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**D. OUTLINE DRAWING:**



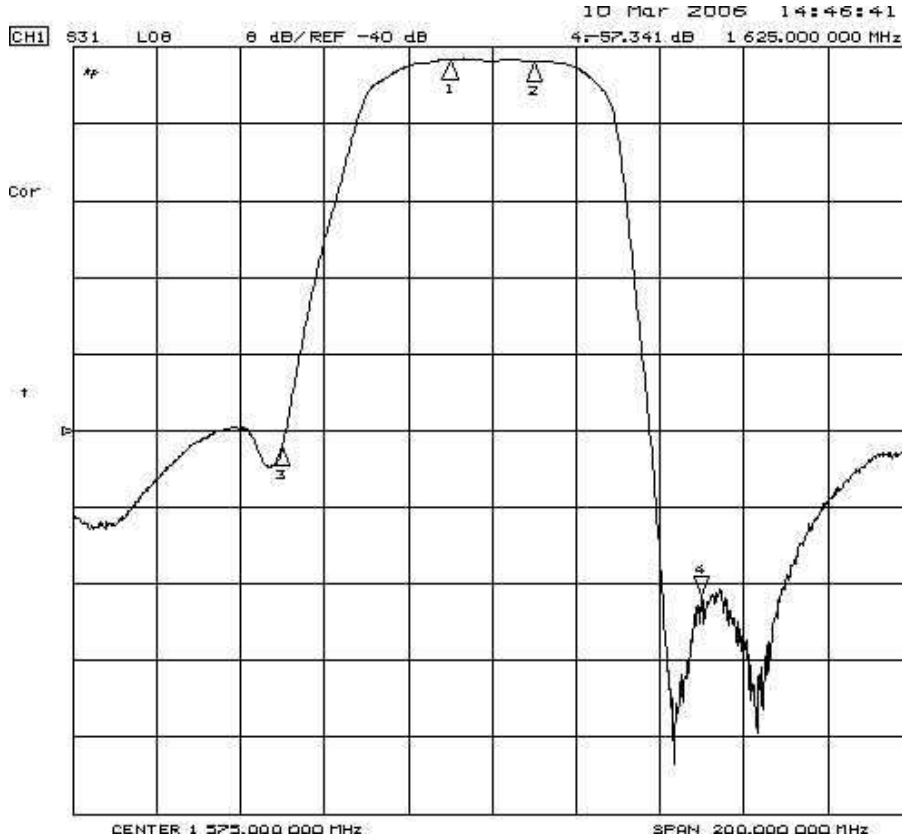
**E. PCB FOOTPRINT:**



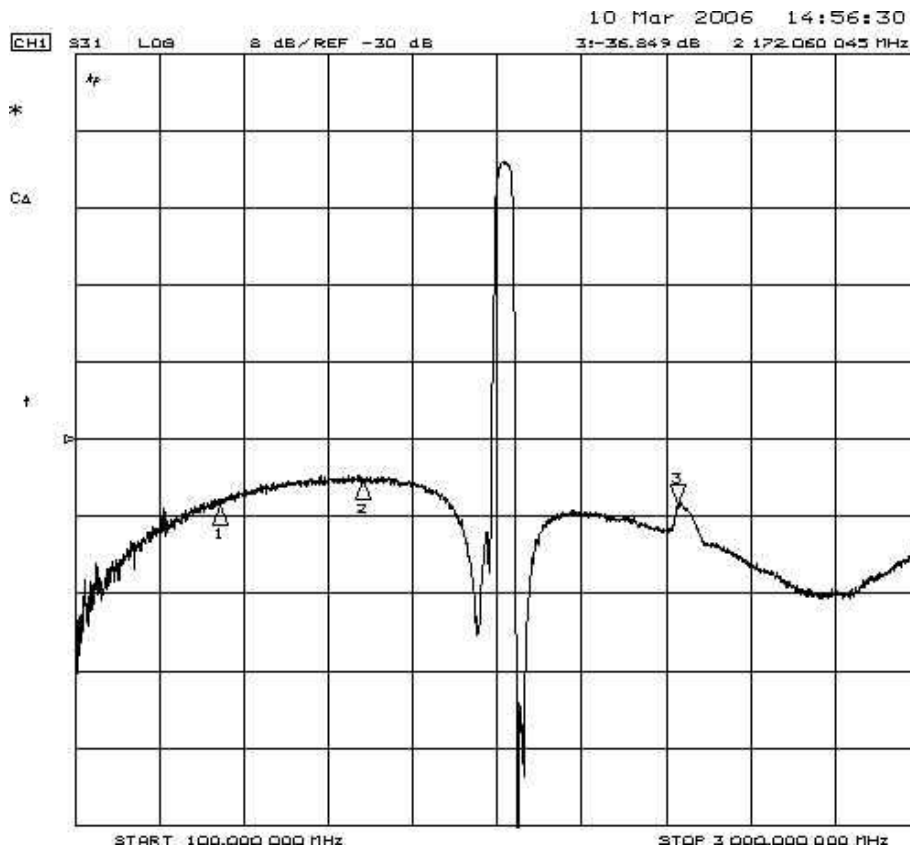
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**F. FREQUENCY CHARACTERISTICS:**



CH1 Markers  
 1:-1.2239 dB  
 1.56500 GHz  
 2:-1.4347 dB  
 1.58500 GHz  
 3:-41.523 dB  
 1.52500 GHz



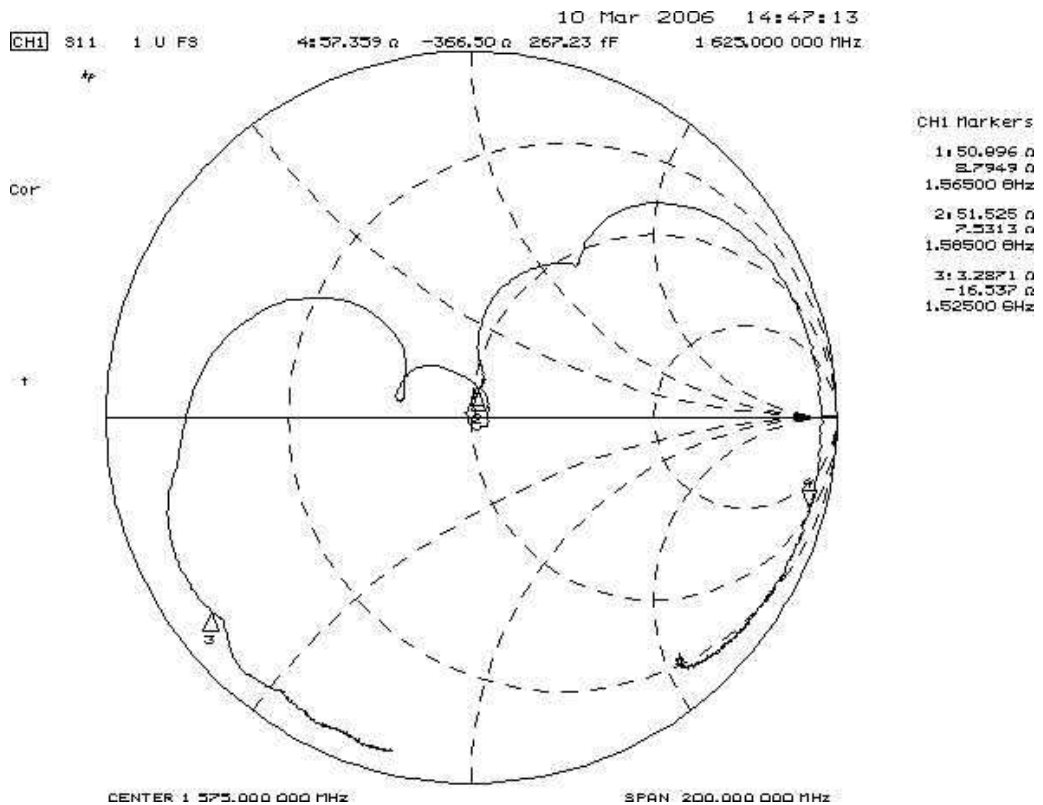
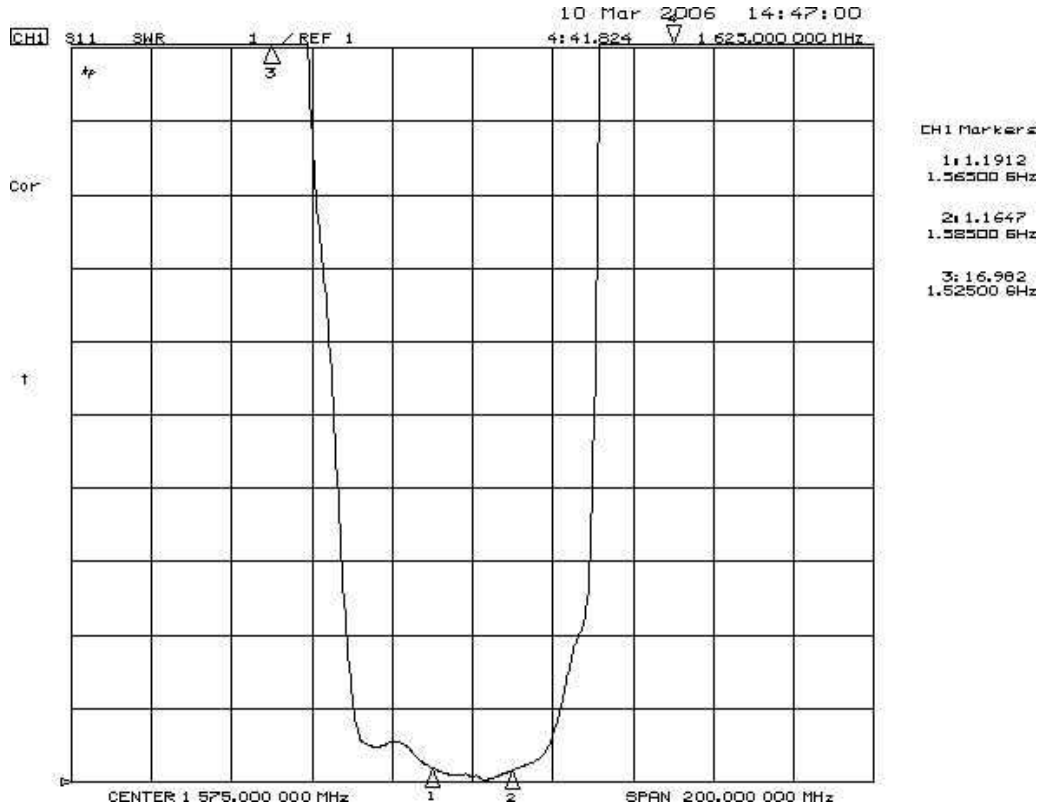
CH1 Markers  
 1:-36.742 dB  
 600.000 MHz  
 2:-34.091 dB  
 1.09080 GHz

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Reflections Functions

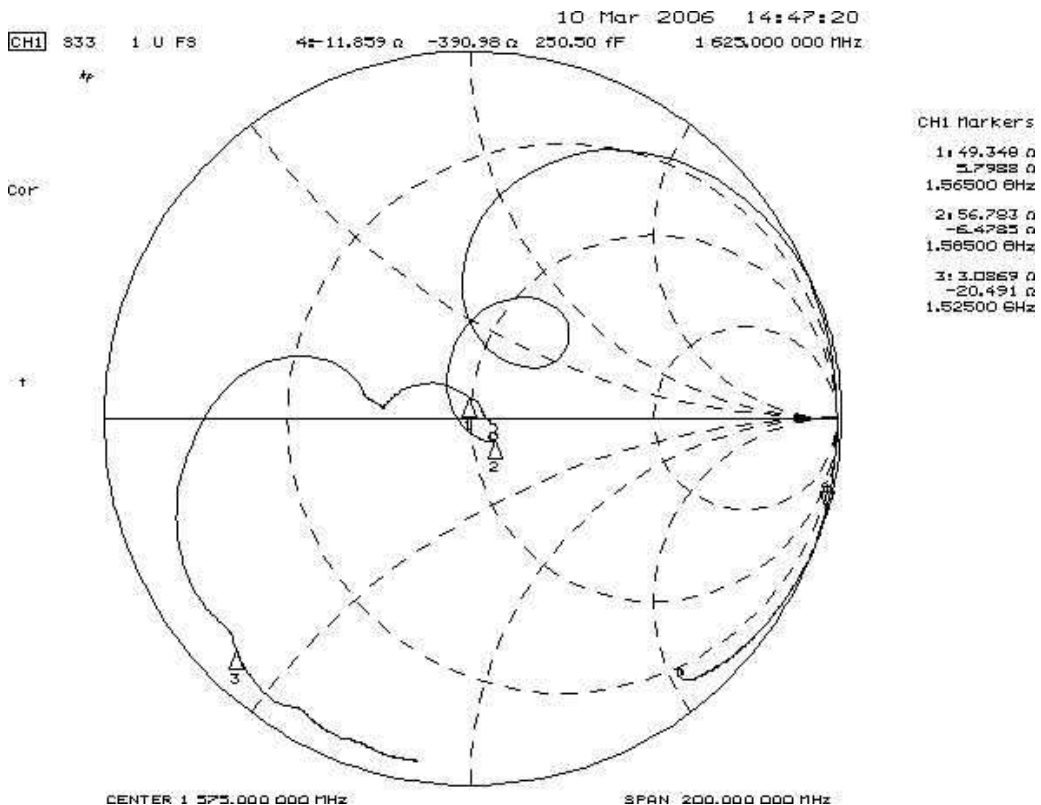
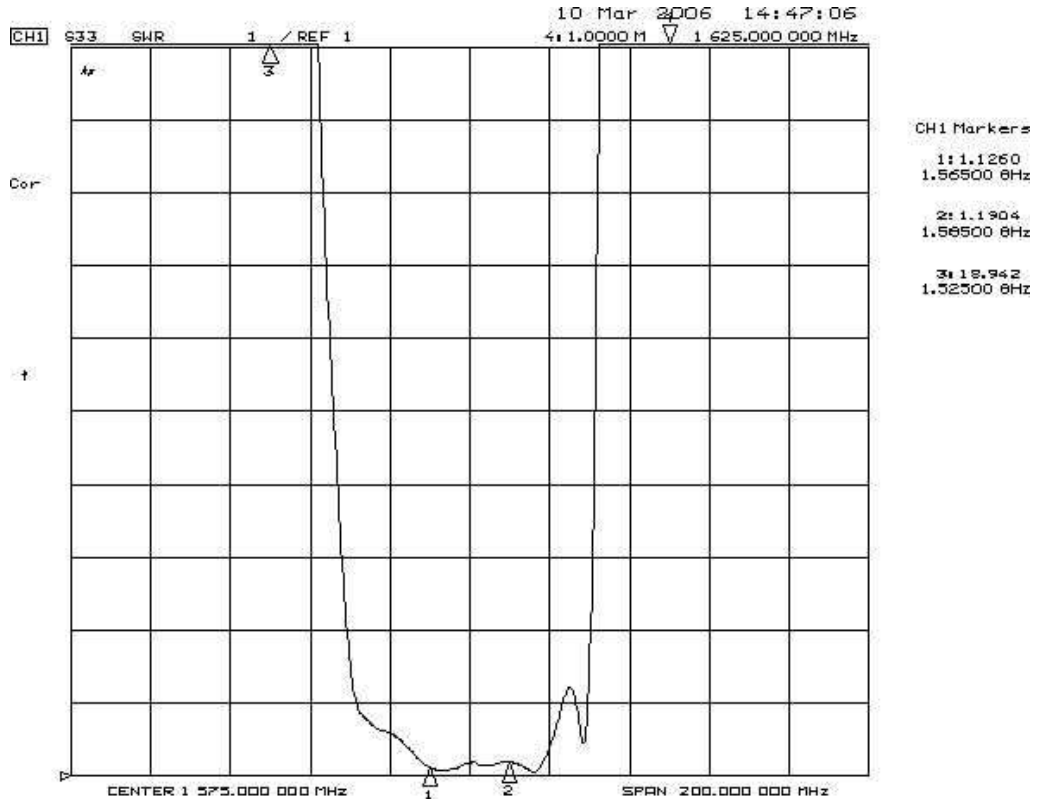
S11 VSWR



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**S22 VSWR**

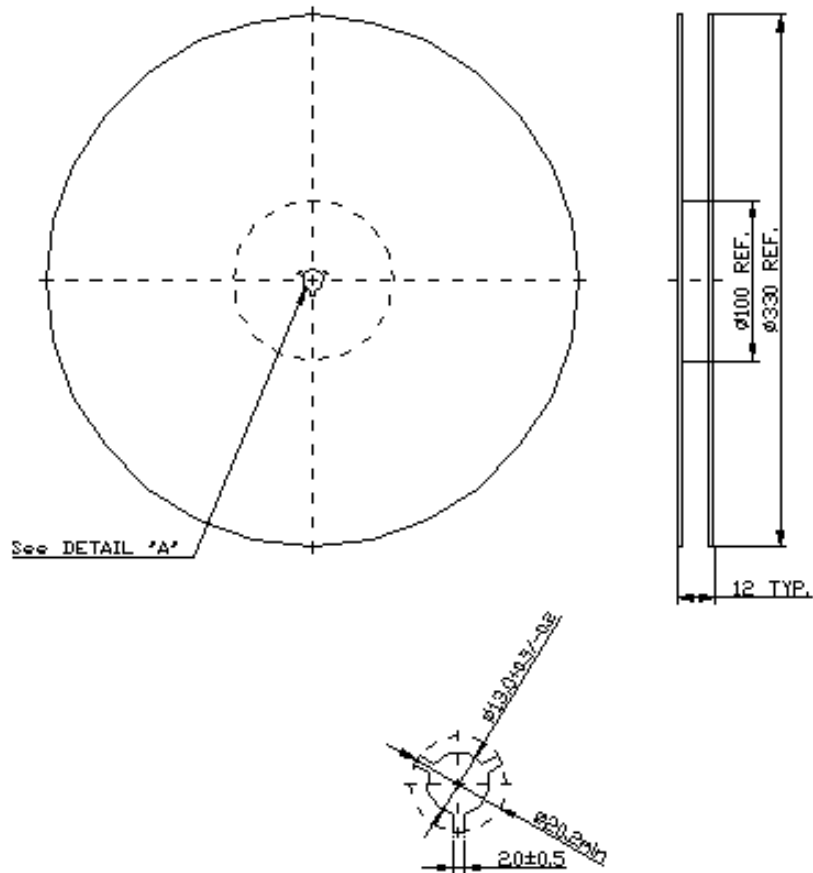


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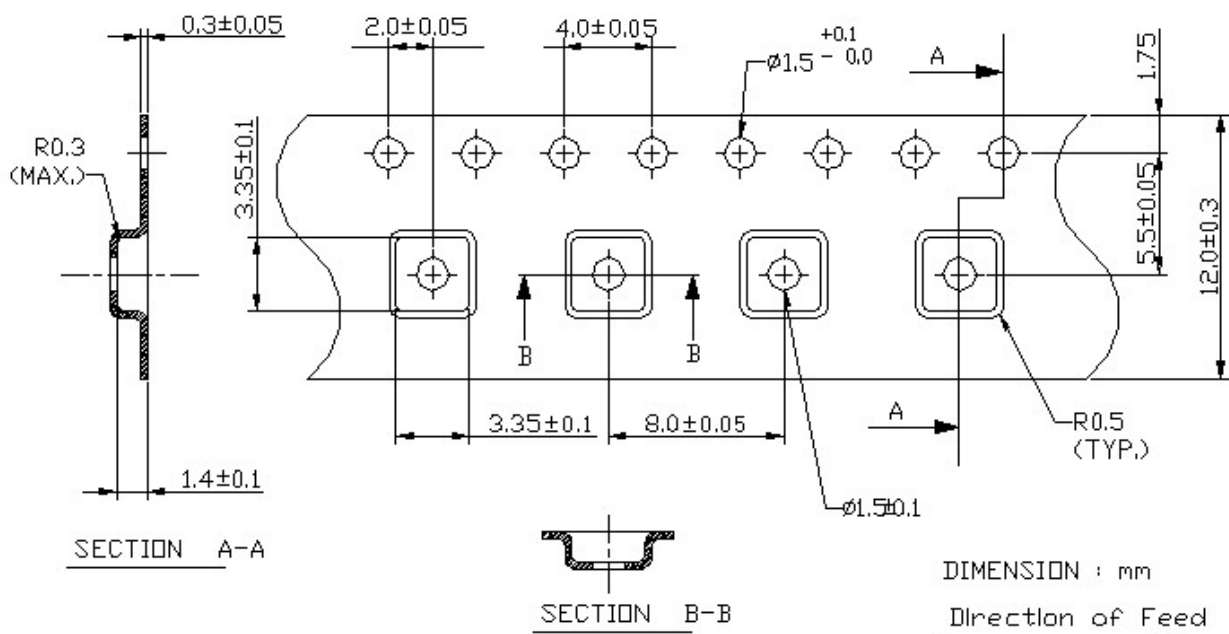
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**G. PACKING:**

1. Reel Dimensions



2. Tape Dimensions



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**H. RECOMMENDED REFLOW PROFILE:**

