

**SAW Filter: 1575.420 MHz**  
**Part No: MA06008**

**Model: TA0224A**  
**Rev No: 2**

**A. MAXIMUM RATING:**

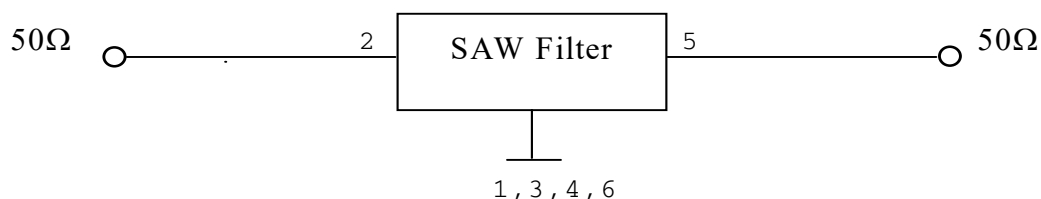
1. Input Power Level: 10dBm
2. DC Voltage: 5V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +105°C
5. Moisture Sensitivity Level: Level 1 (MSL1)

**B. ELECTRICAL CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	1575.42	-	-
Insertion Loss within Fc ±1MHz IL	dB	-	2.6	3.5	-
Amplitude Ripple within Fc ±1MHz	dB	-	0.1	1.0	-
VSWR within Fc ±1MHz		-	1.5	2.5	-
Attenuation (Reference level from 0dB)					
880 ~ 915MHz	dB	35	37	-	-
1525.42MHz	dB	30	47	-	-
1535.42MHz	dB	20	44.5	-	-
1615.42MHz	dB	20	62.5	-	-
1625.42MHz	dB	30	75	-	-
1710 ~ 1785MHz	dB	50	54	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

**C. MEASUREMENT CIRCUIT:**

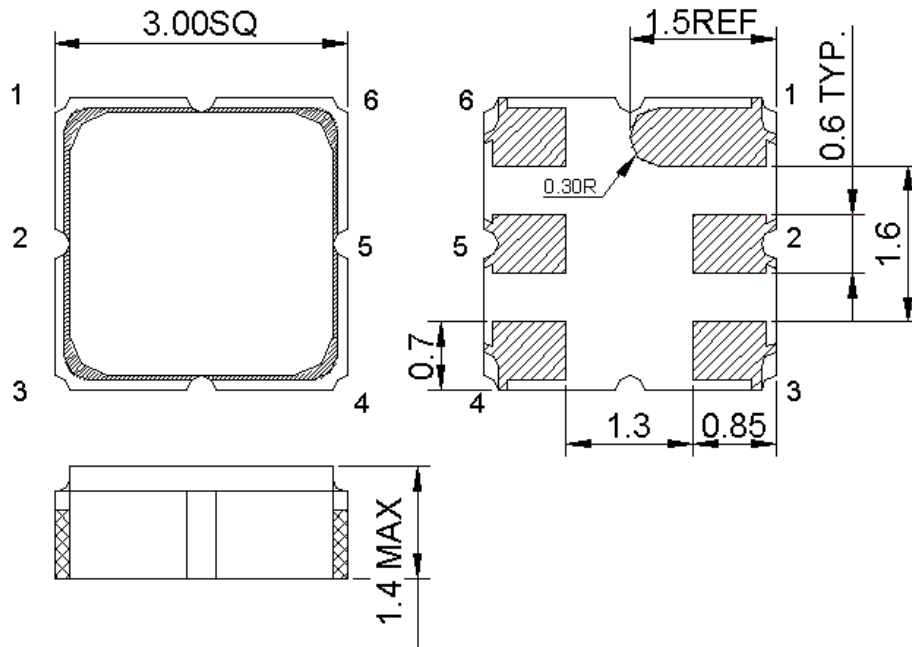
HP Network analyzer



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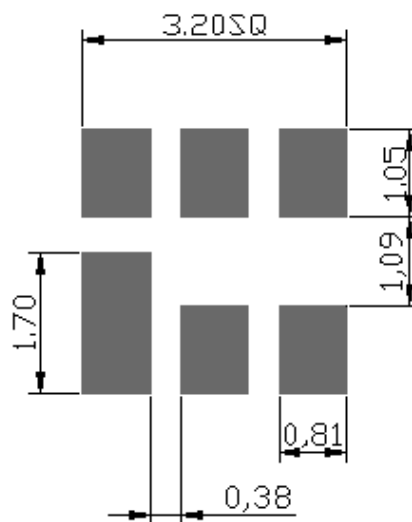
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**D. OUTLINE DRAWING:**



2: Input  
5: Output  
1, 3, 4, 6: Ground  
Unit: mm

**E. PCB FOOTPRINT:**

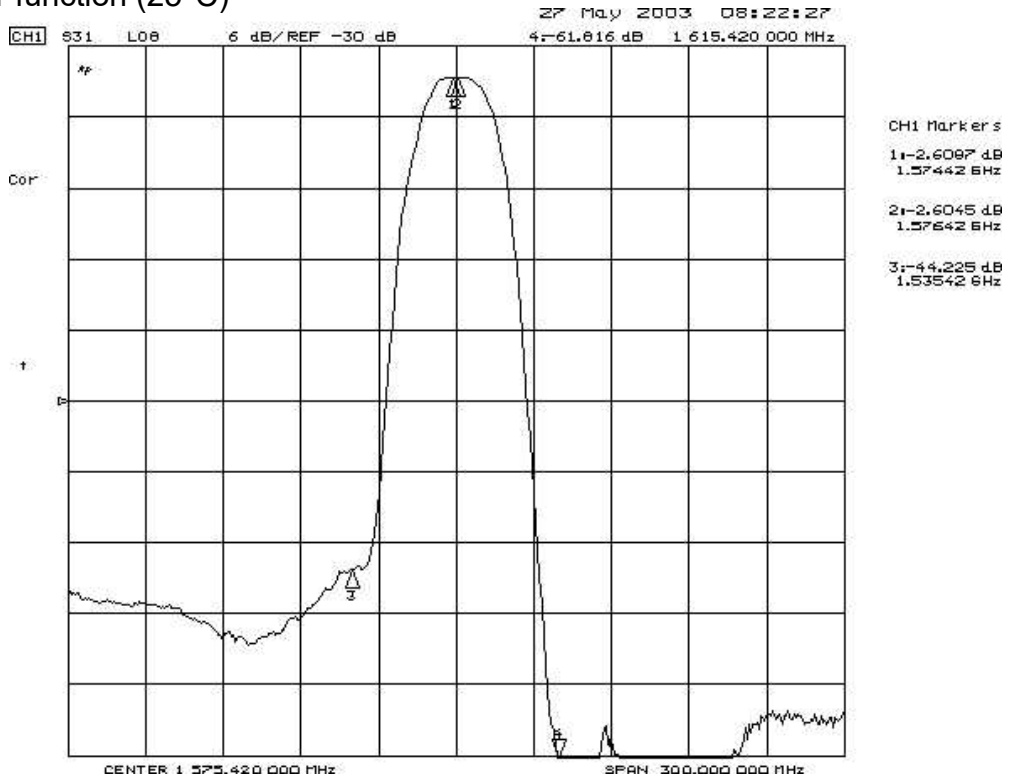


**SAW Filter: 1575.420 MHz**  
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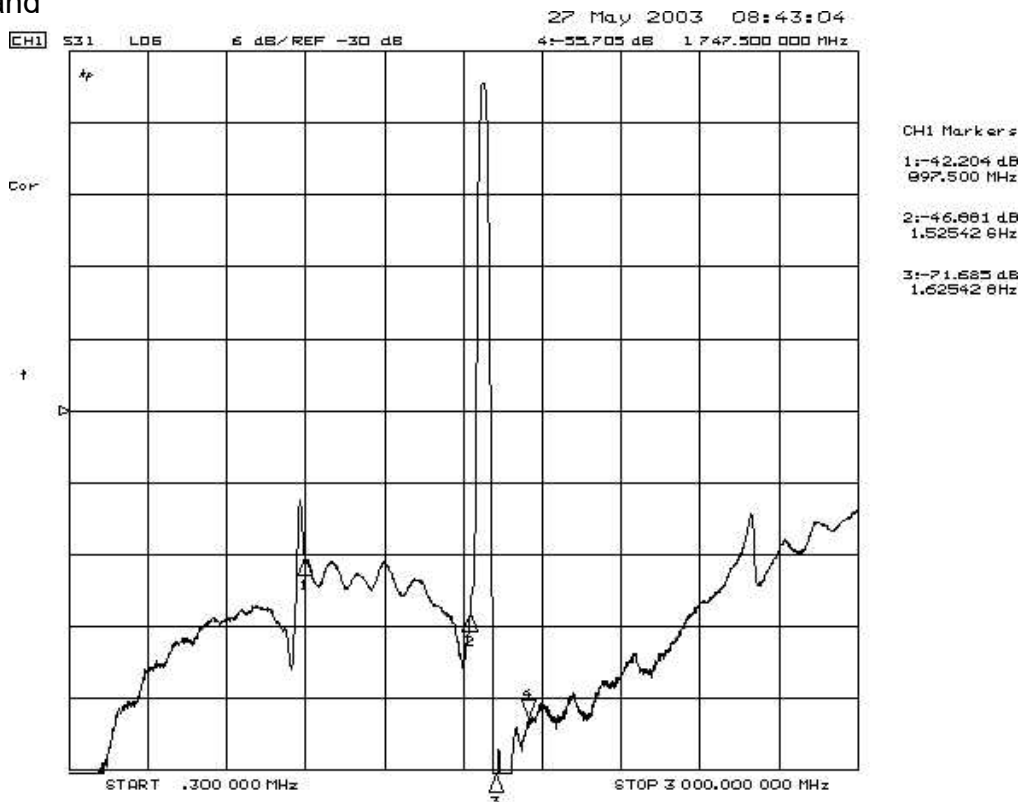
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**F. FREQUENCY CHARACTERISTICS:**

1. Transfer function (25°C)



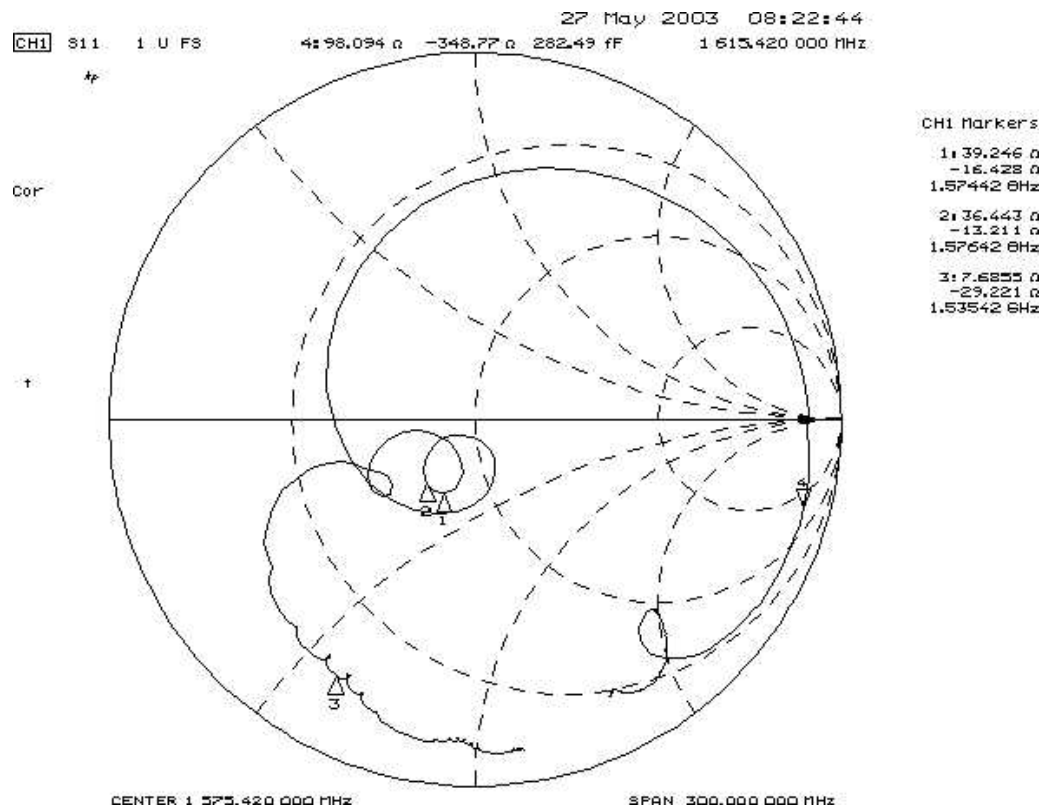
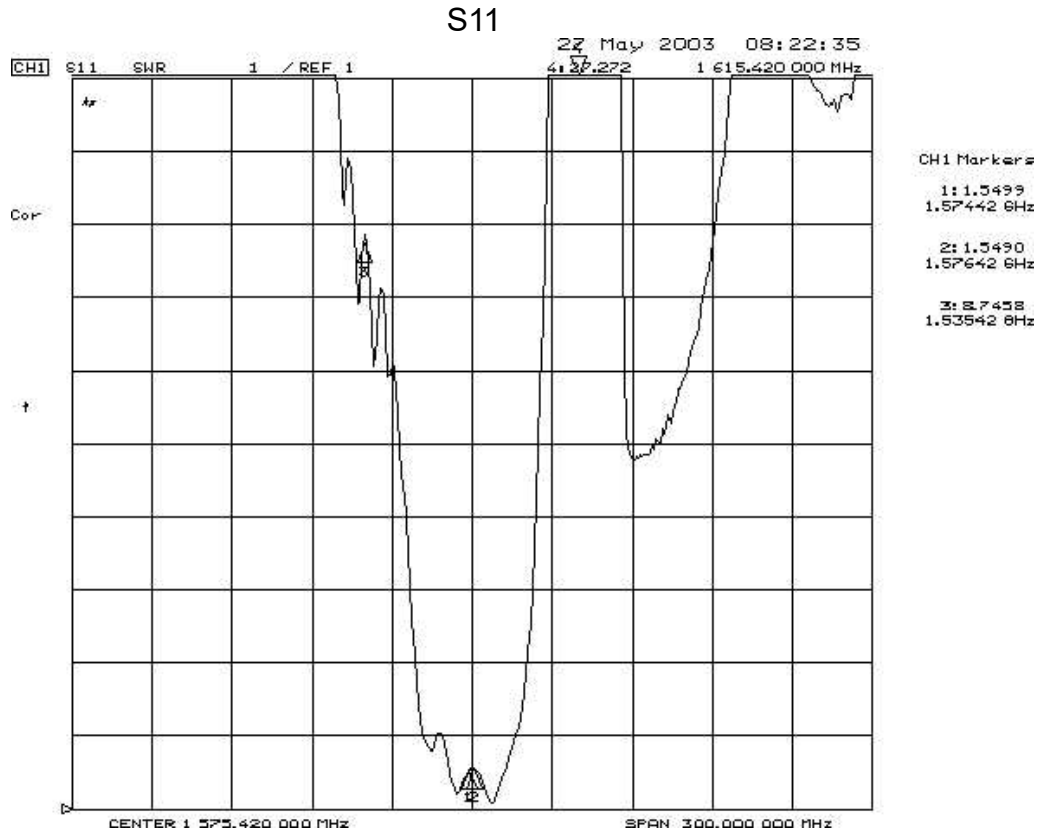
2. Wideband



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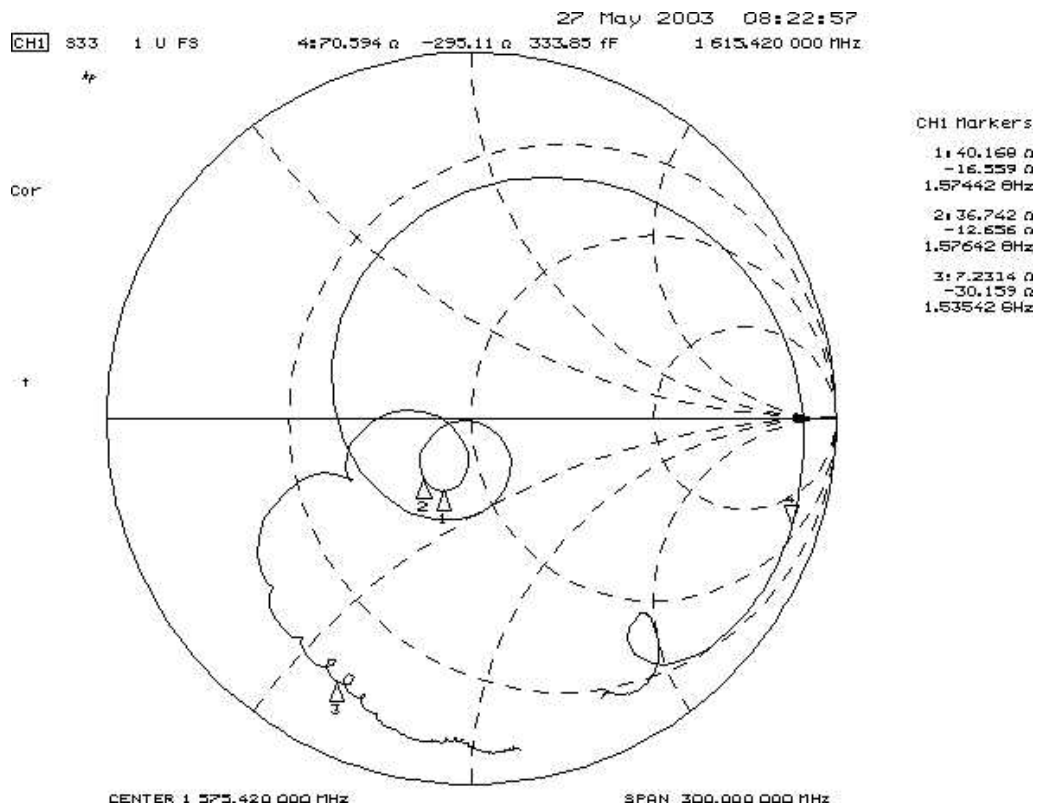
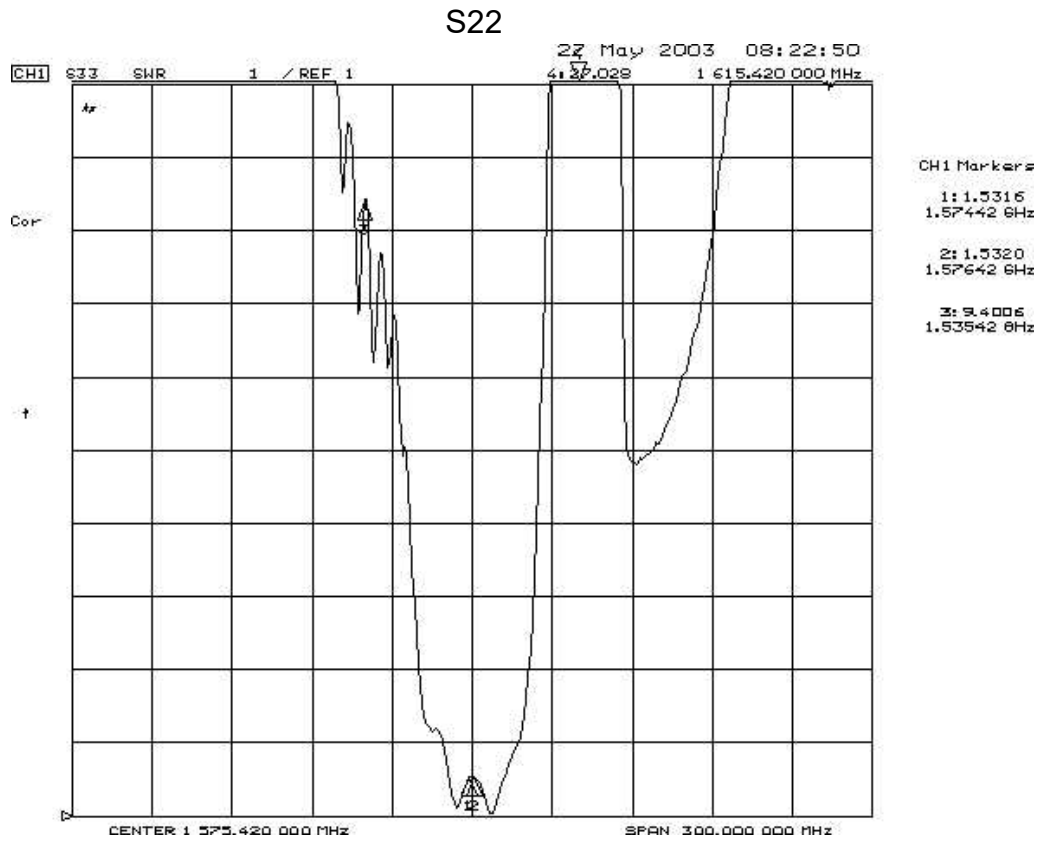
**Model: TA0224A**  
**Rev No: 2**

3. Reflection Functions



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**Part No: MA06008**

**Model: TA0224A**  
**Rev No: 2**

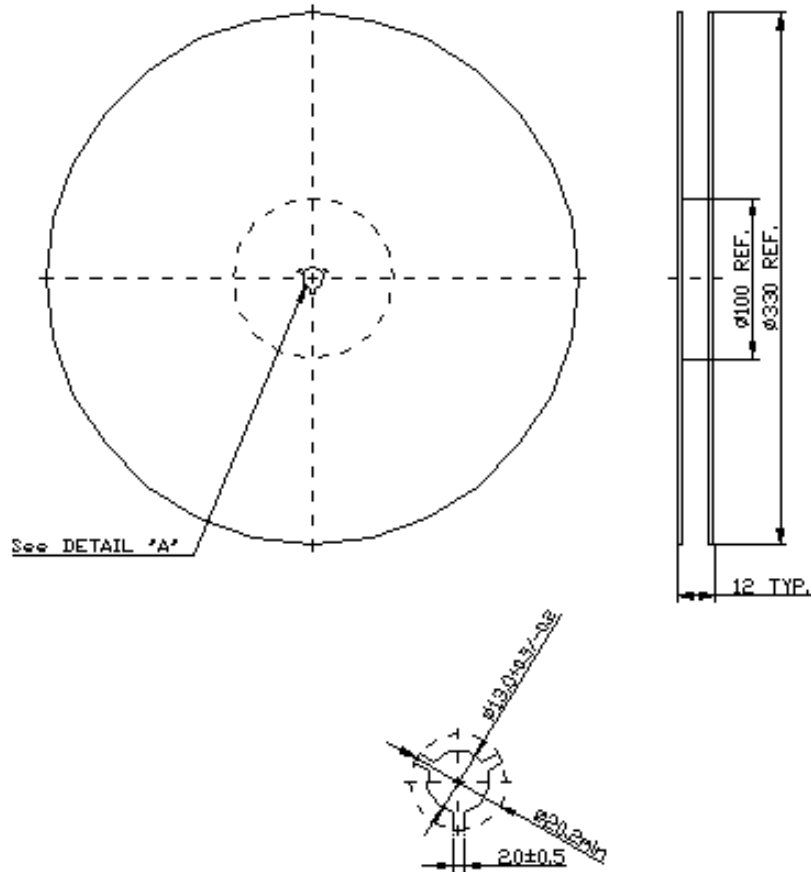


**SAW Filter: 1575.420 MHz**  
**Part No: MA06008**

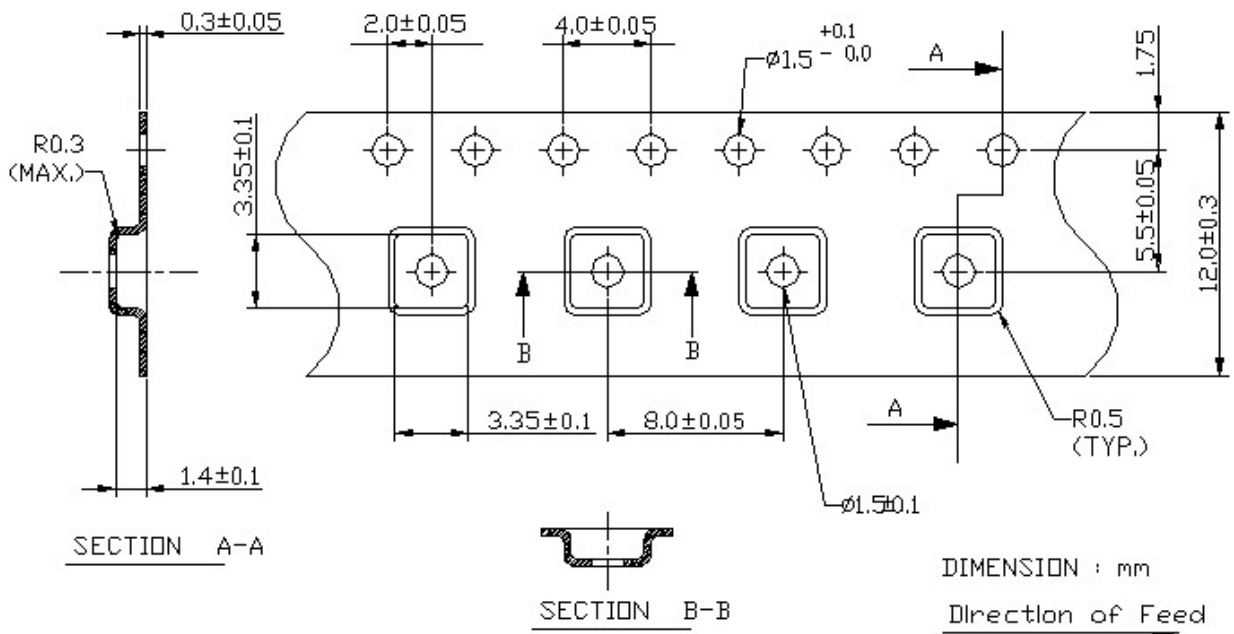
**Model: TA0224A**  
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**G. PACKING:**

1. Reel Dimension



2. Tape Dimension



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**H. RECOMMENDED REFLOW PROFILE:**

