

SAW Filter 1842.50MHz
Part No: MP08869

Model: TA0363B
Rev No: 1

A1. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 13dBm
2. DC voltage: 0V
3. Operating Temperature: 25°C
4. Storage Temperature: -40°C to +85°C

B1. ELECTRICAL CHARACTERISTICS:

Item	Min.	Typ.	Max.
Center frequency Fc (MHz)	-	1842.5	-
Insertion loss (1805 ~ 1880MHz) IL (dB)	-	2.2	3.8
Amplitude ripple (1805 ~ 1880MHz) (dB)	-	1.3	2.0
Attenuation (Reference level from 0dB)			
D.C. ~ 1500MHz (dB)	20.0	24.5	-
1500 ~ 1710MHz (dB)	22.0	25.0	-
1710 ~ 1785MHz (dB)	10.0	23.5	-
1920 ~ 3120MHz (dB)	25.0	28.0	-
3120 ~ 4000MHz (dB)	17.0	30.0	-
Input / Output VSWR (1805 ~ 1880MHz)	-	1.9	2.1
Source impedance Z _S (Ω)	-	50	-
Load impedance Z _L (Ω)	-	50	-

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A2. MAXIMUM RATING:

1. Input Power Level: 13dBm
2. DC voltage: 0V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

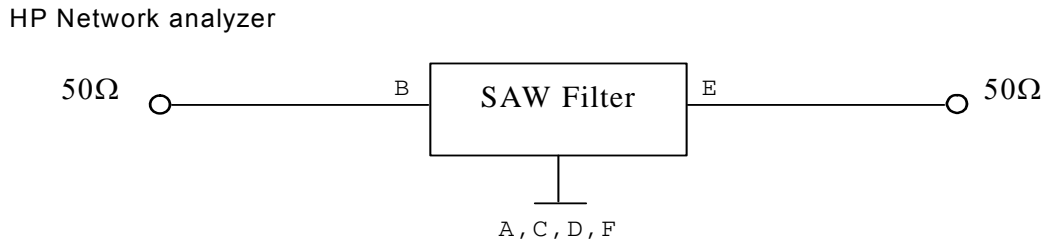
B2. ELECTRICAL CHARACTERISTICS:

Item	Min.	Typ.	Max.
Center frequency Fc (MHz)	-	1842.5	-
Insertion loss (1805 ~ 1880MHz) IL (dB)	-	2.2	3.8
Amplitude ripple (1805 ~ 1880MHz) (dB)	-	1.3	2.0
Attenuation (Reference level from 0dB)			
D.C. ~ 1500MHz (dB)	20.0	24.5	-
1500 ~ 1710MHz (dB)	22.0	25.0	-
1710 ~ 1785MHz (dB)	10.0	23.5	-
1920 ~ 3120MHz (dB)	25.0	28.0	-
3120 ~ 4000MHz (dB)	17.0	30.0	-
Input / Output VSWR (1805 ~ 1880MHz)	-	2.0	2.2
Source impedance Z _S (Ω)	-	50	-
Load impedance Z _L (Ω)	-	50	-

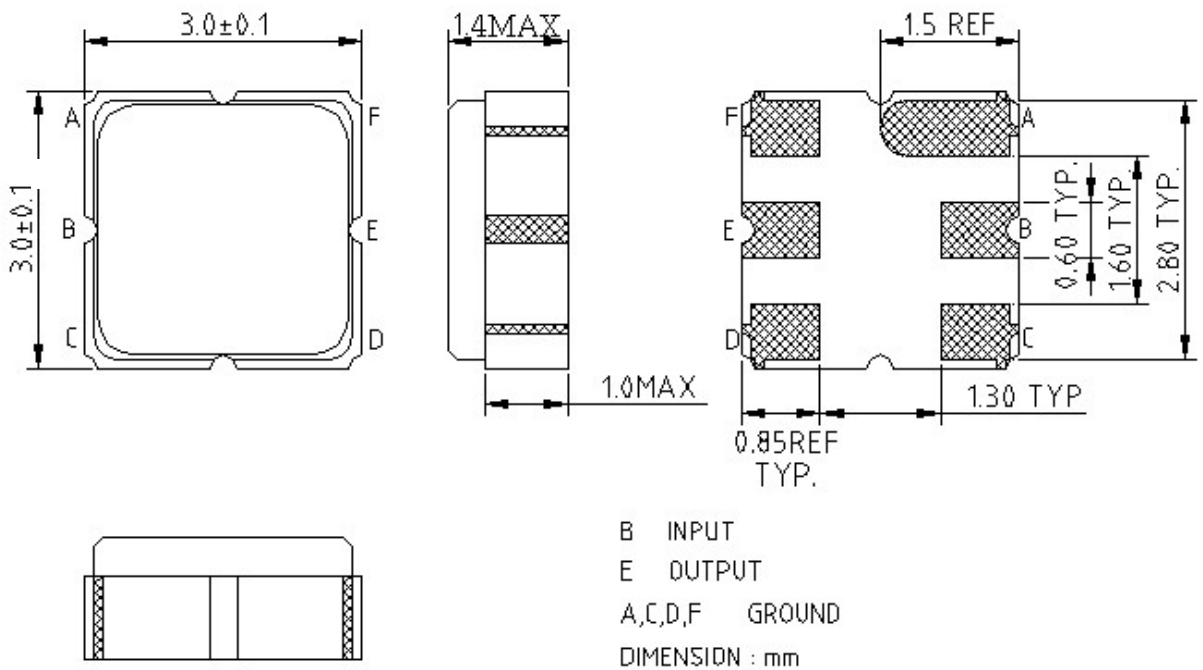
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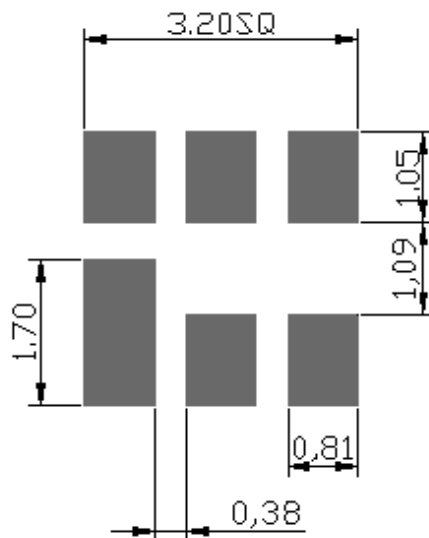
C. MEASUREMENT CIRCUIT:



D. OUTLINE DRAWING:



E. PCB FOOTPRINT:

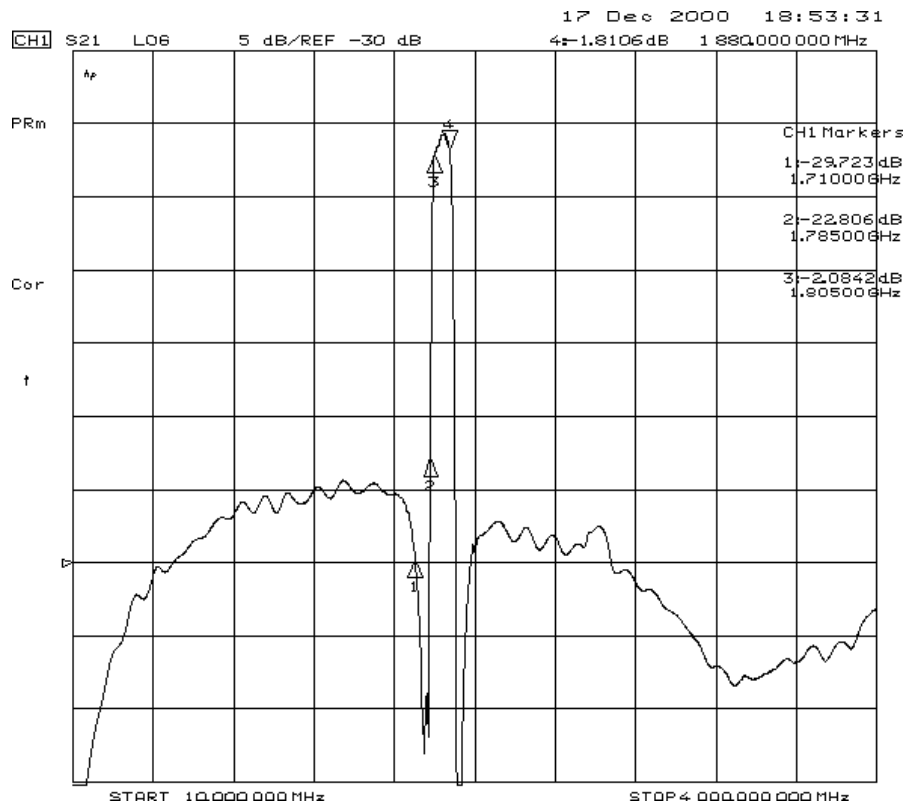
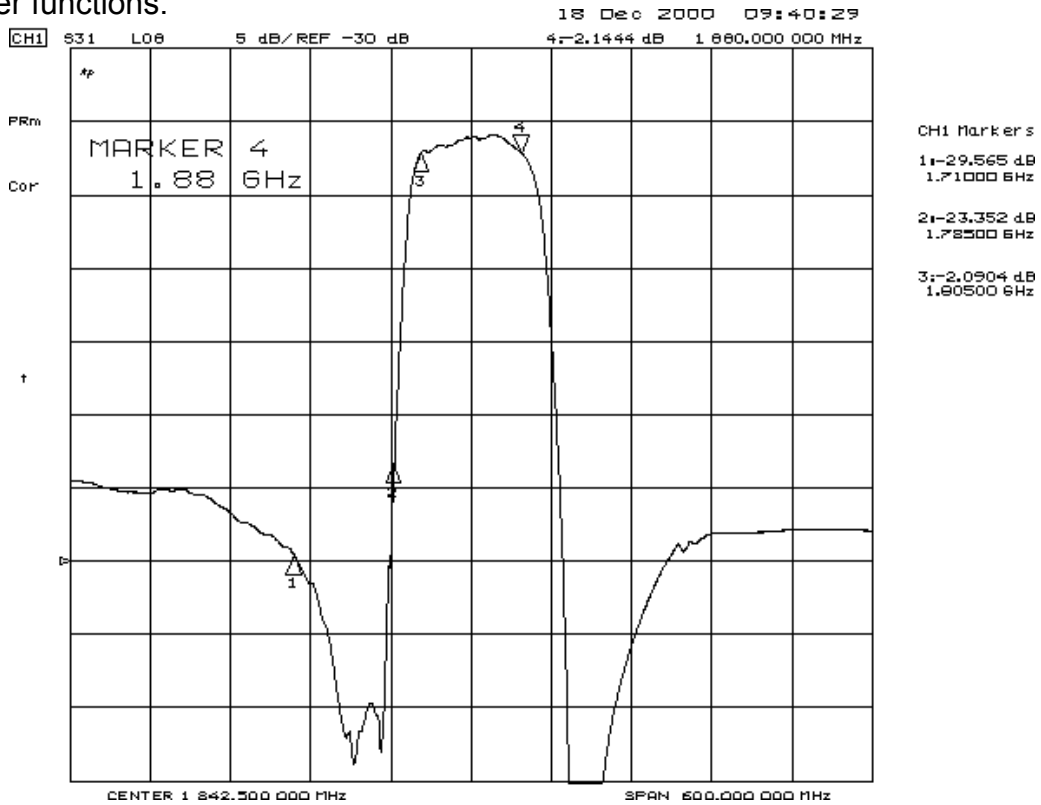


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F. FREQUENCY CHARACTERISTICS:

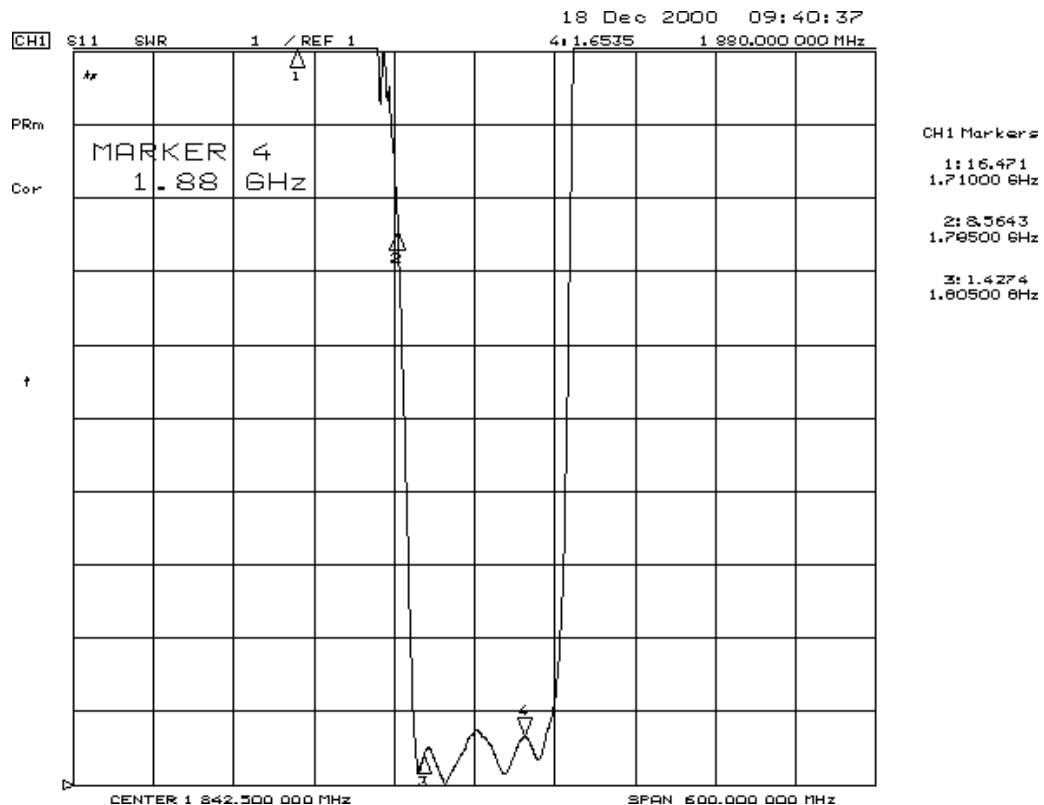
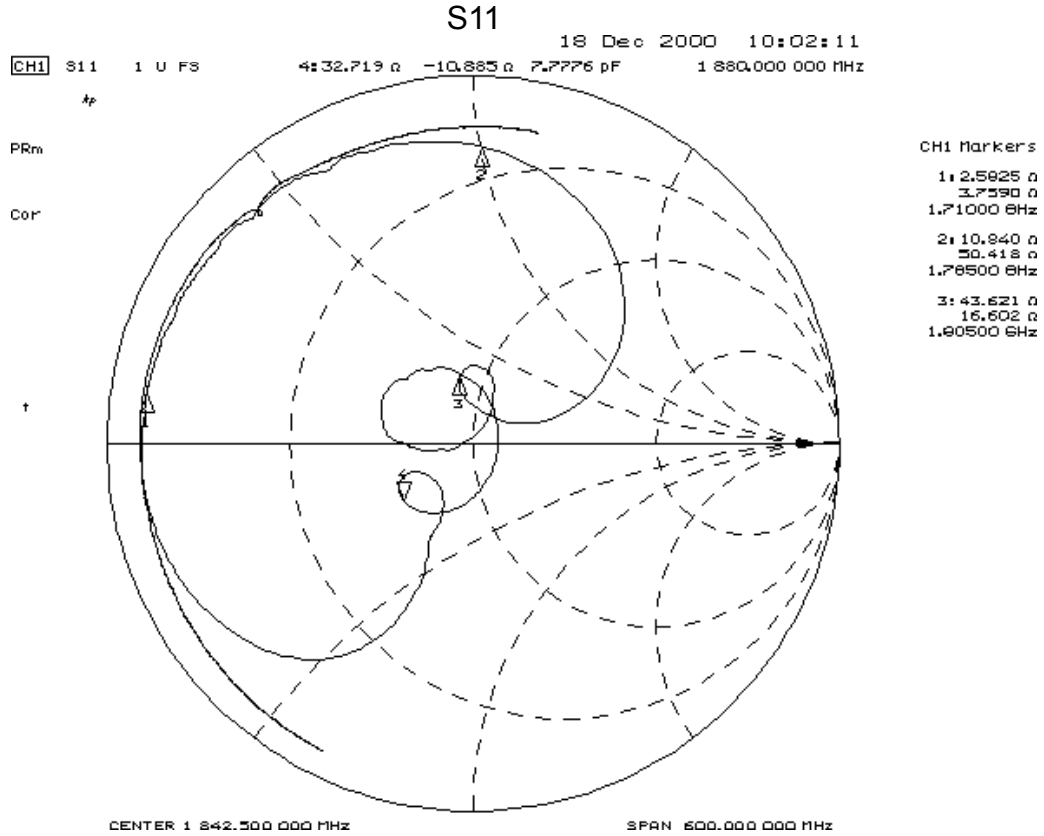
1. Transfer functions:



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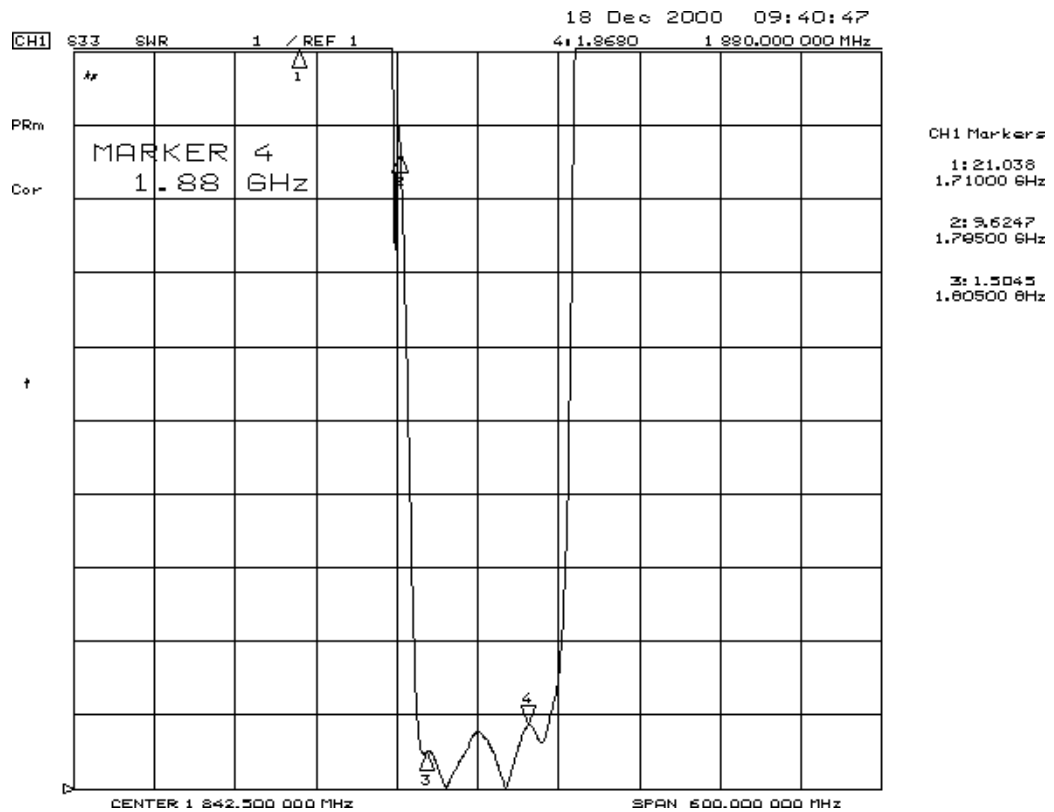
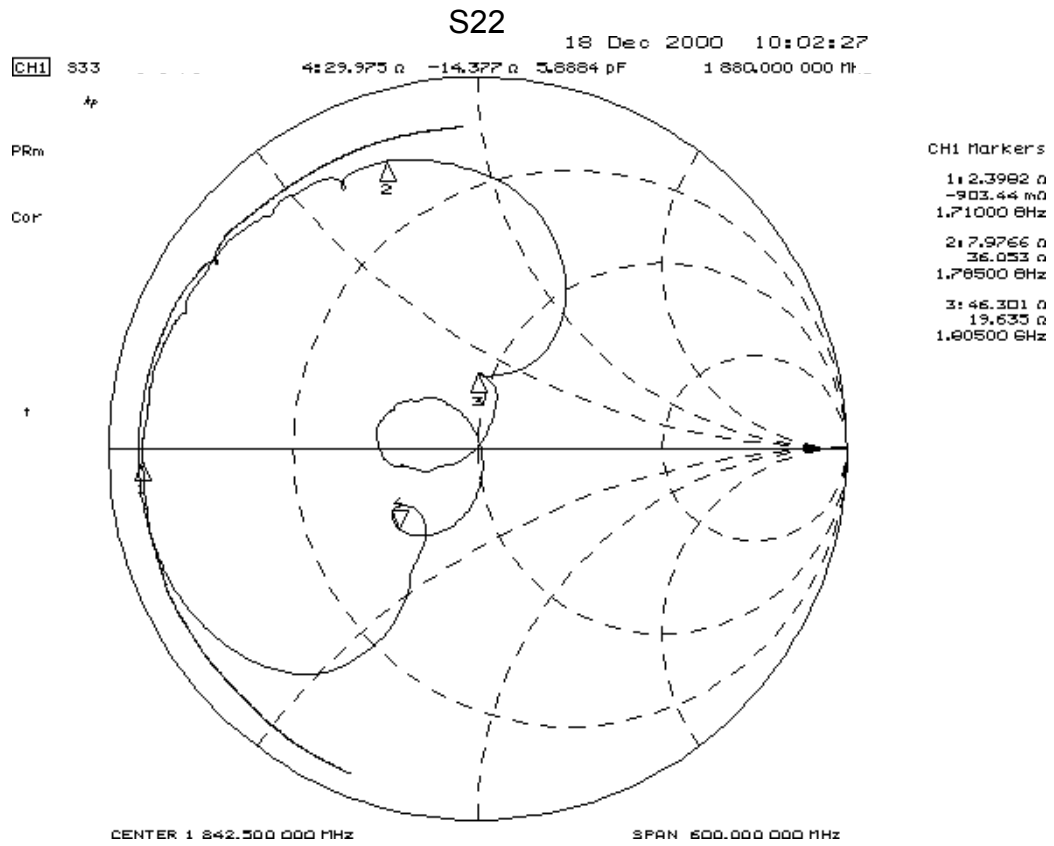
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2. Reflections Functions:



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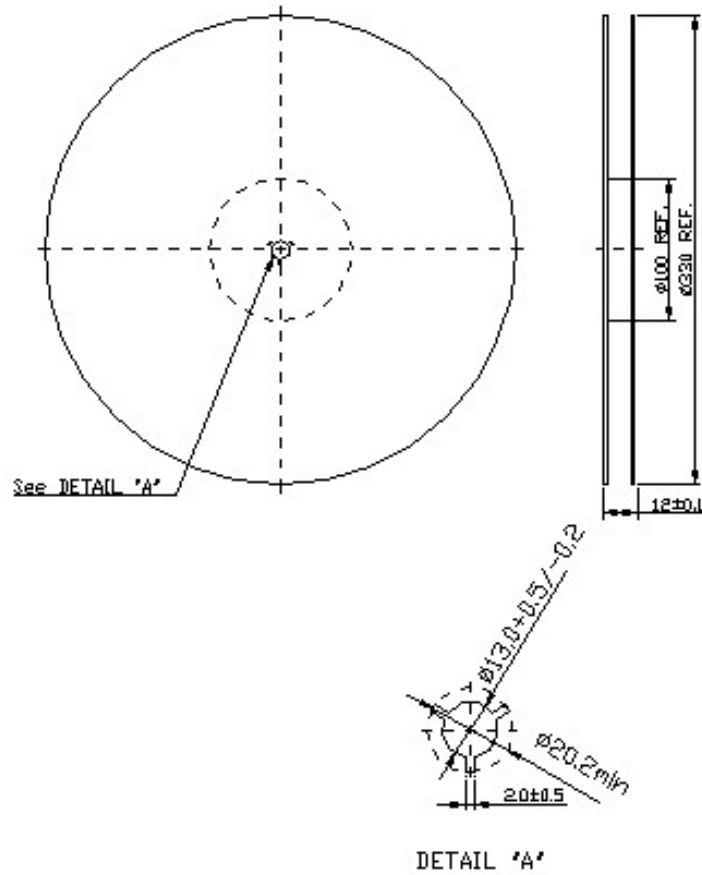


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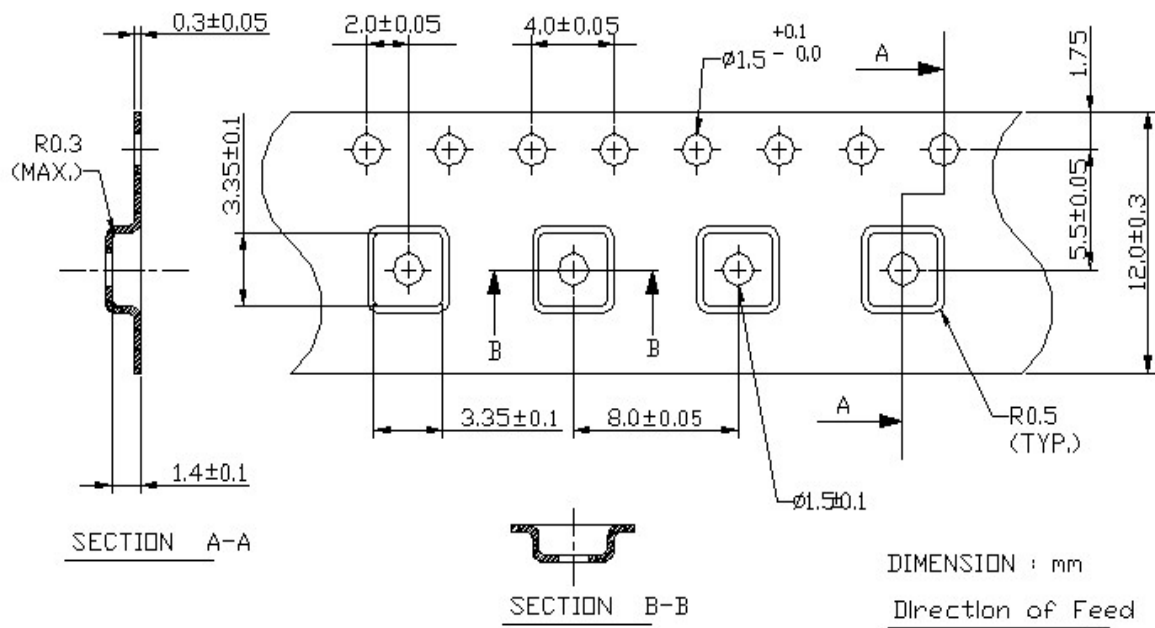
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G. PACKING:

1. Reel Dimension



2. Tape Dimension



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H. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150 ~ 180°C for 60 ~ 90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50 ~ 80 seconds and at 245 ~ 260°C peak (min. 10 sec).
4. Time: 2 times.

