

SAW Filter 2345.0MHz
Part No: MP10810

Model: TA0581C
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

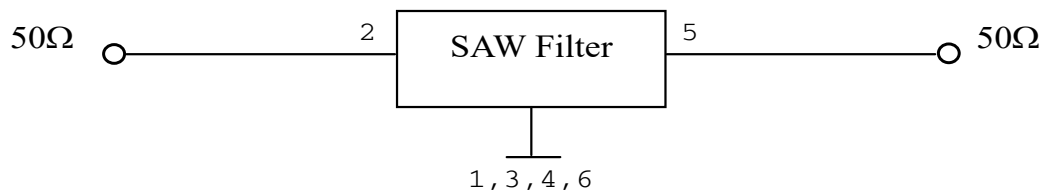
1. Input Power Level: 16dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	2345	-	-
Insertion Loss (2300 ~ 2390MHz) IL	dB	-	2.8	4	-
Amplitude Ripple (2300 ~ 2390MHz)	dB	-	1.5	2.5	-
VSWR (2300 ~ 2390MHz)		-	1.8	2.5	-
Group delay ripple (2300 ~ 2390MHz)	ns	-	8	50	-
Relative Attenuation (relative to 0dB)					
D.C. ~ 2200MHz	dB	23	30	-	-
2500 ~ 4000MHz	dB	25	34	-	-

C. MEASUREMENT CIRCUIT:

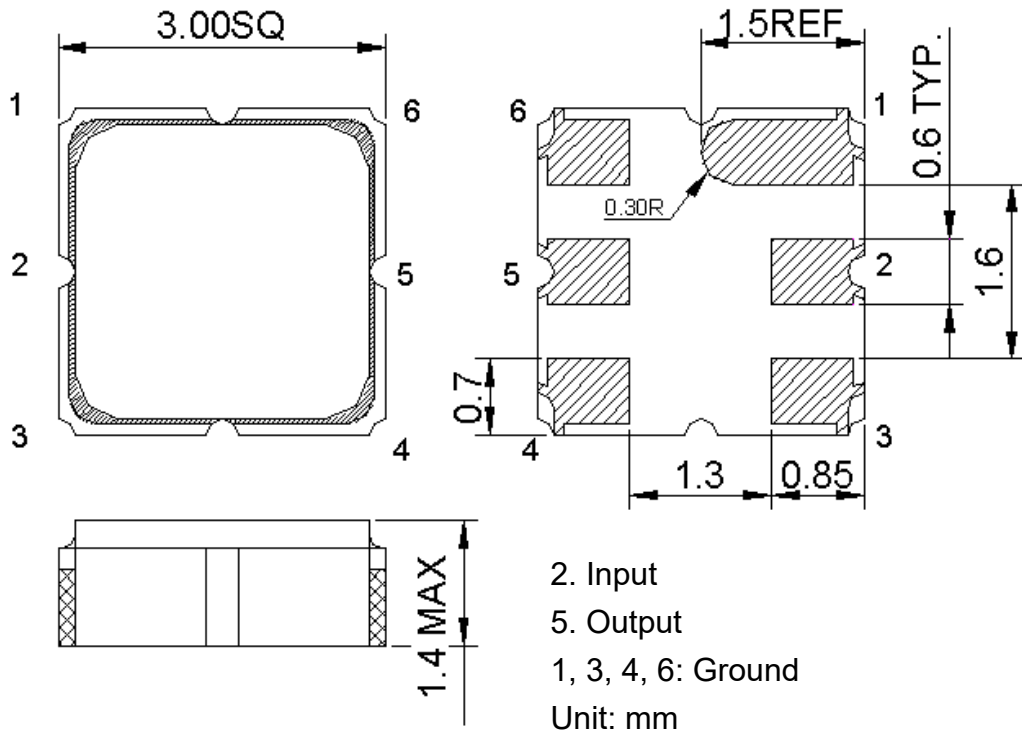
HP Network analyzer



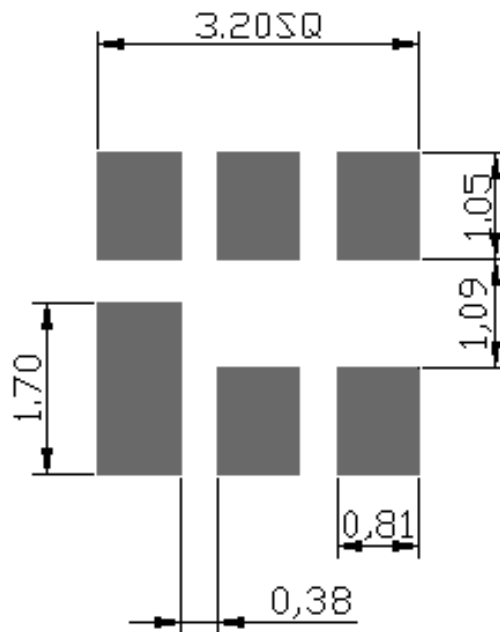
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D. OUTLINE DRAWING:



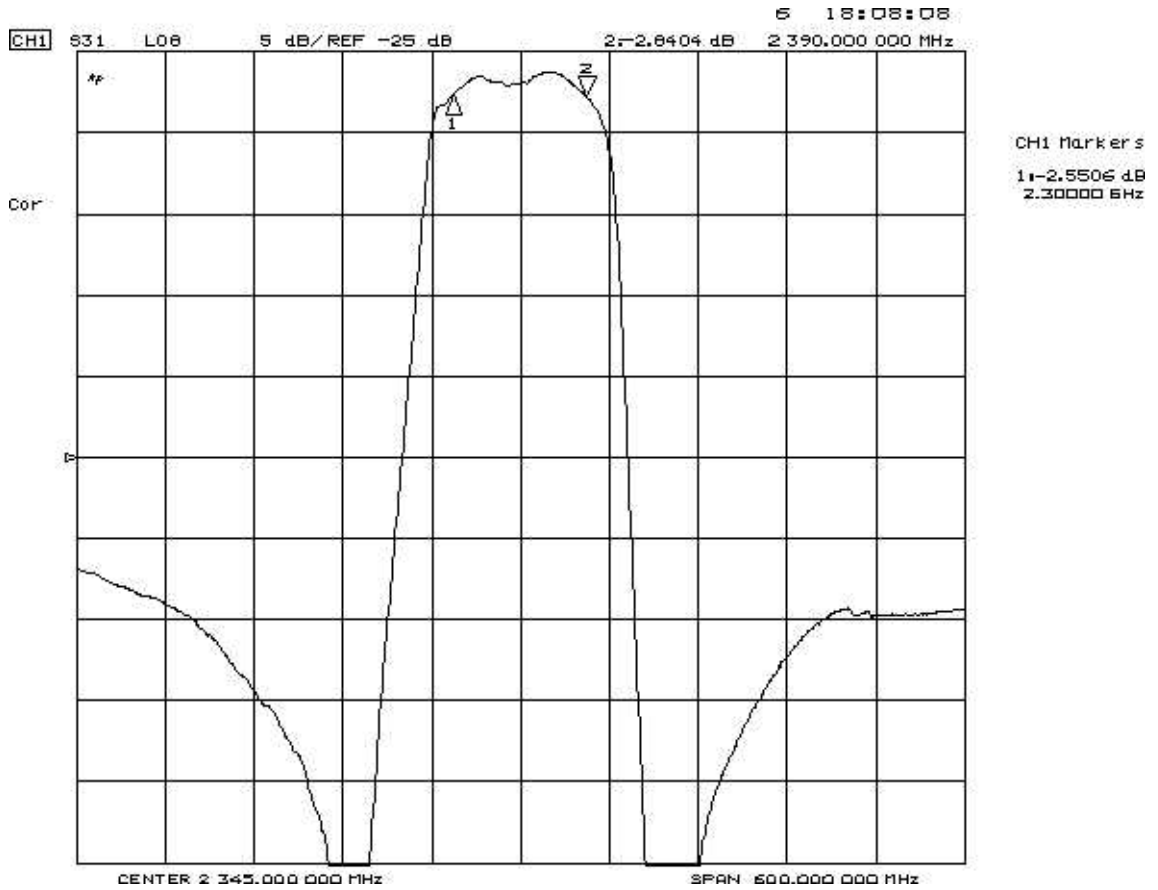
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

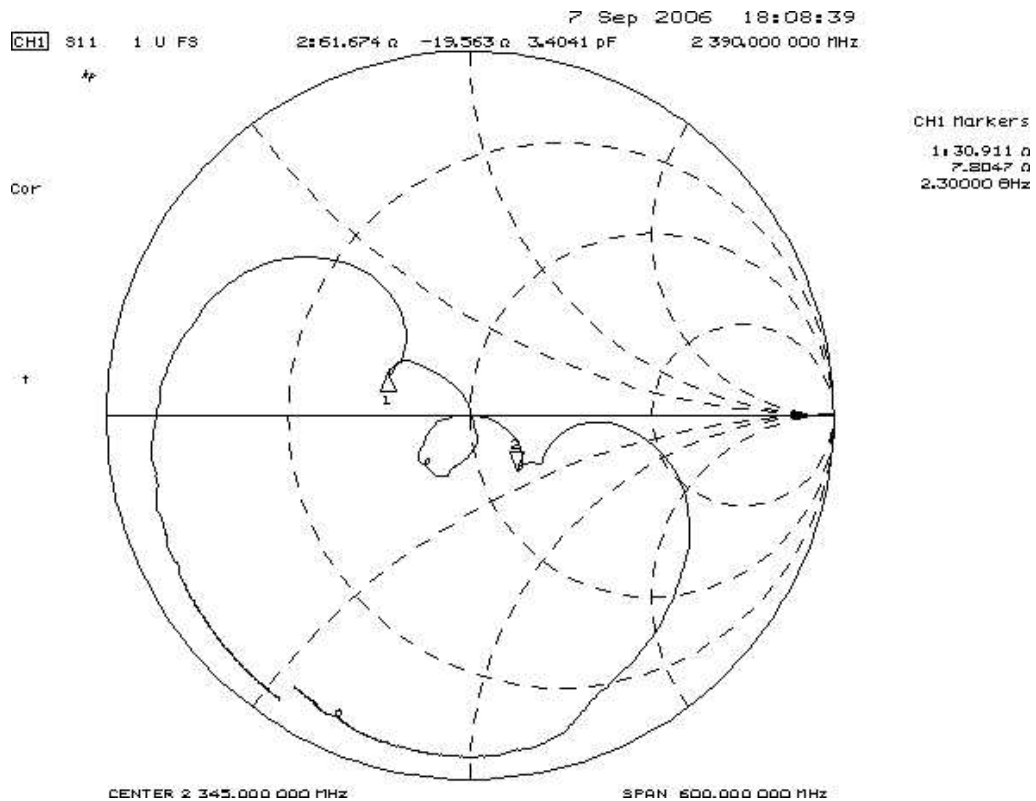
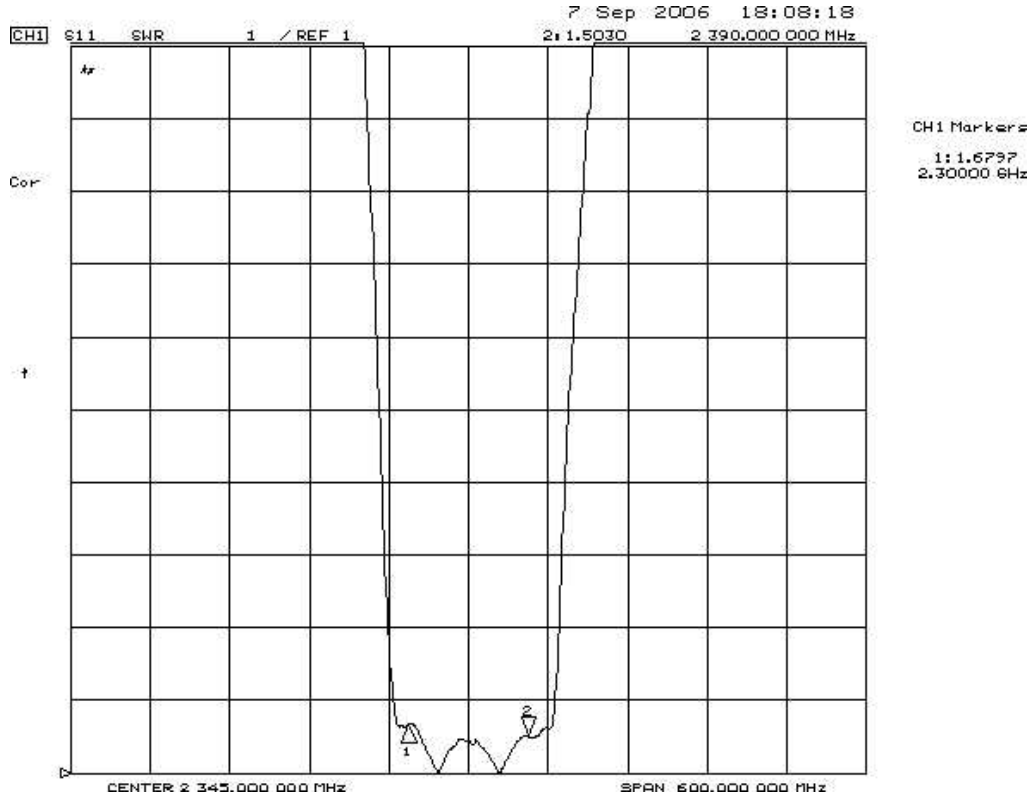


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1. Reflections Functions

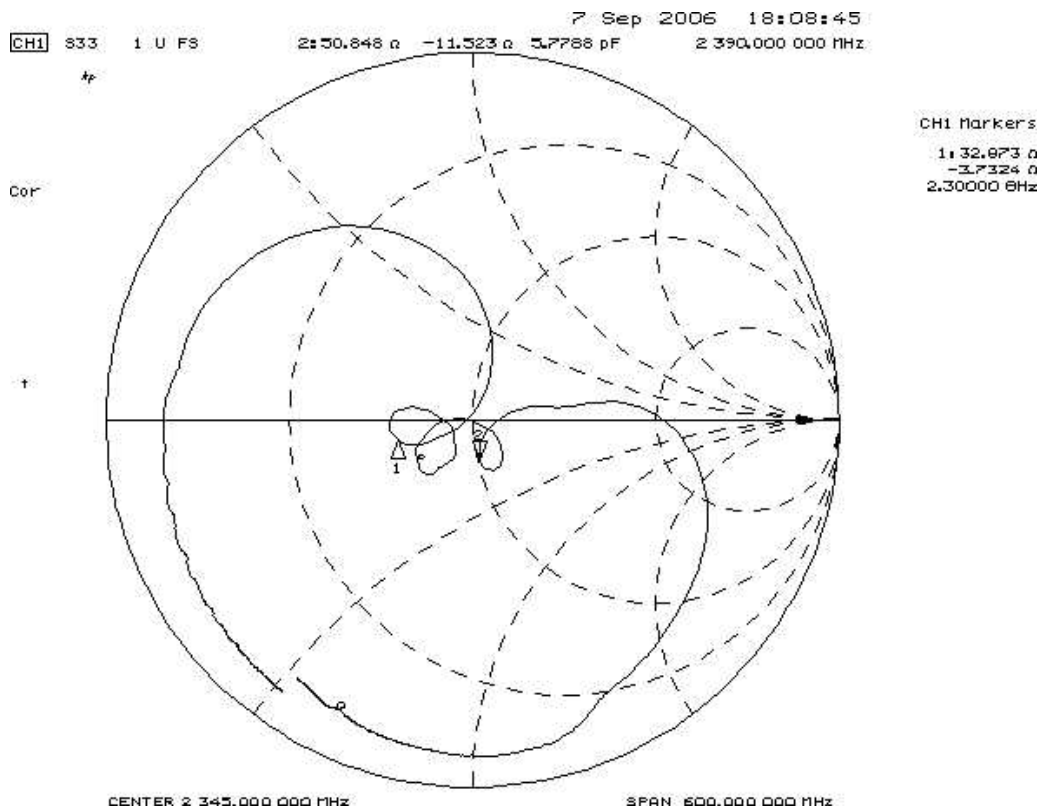
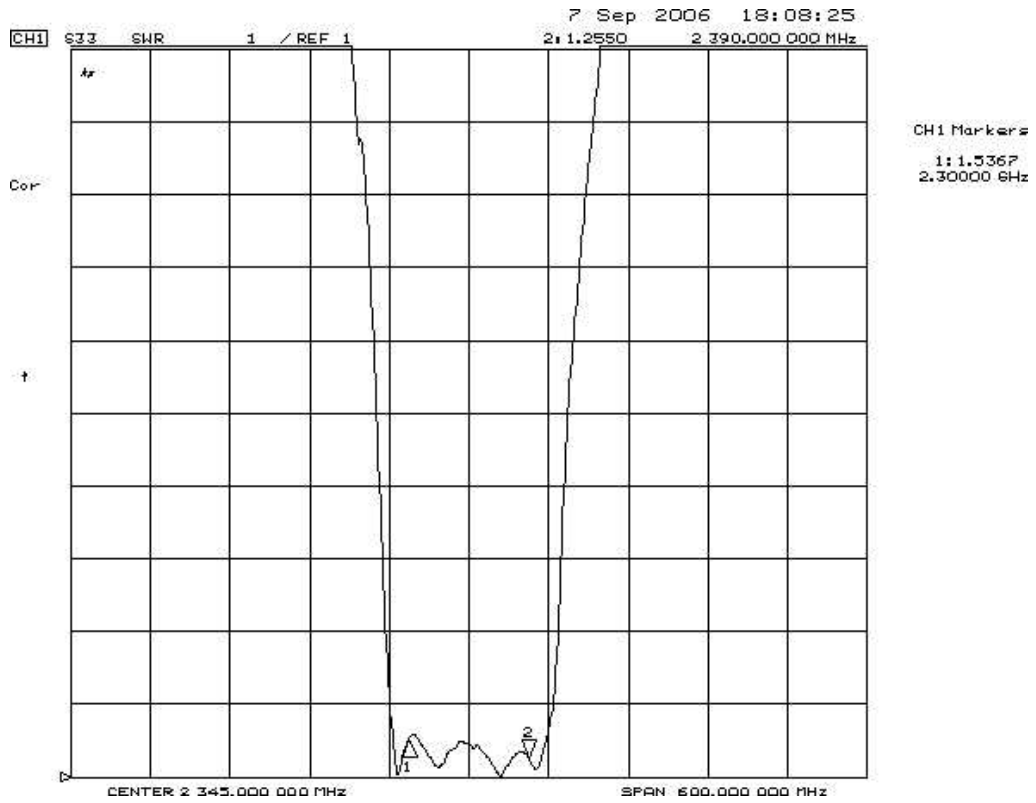
S11 VSWR



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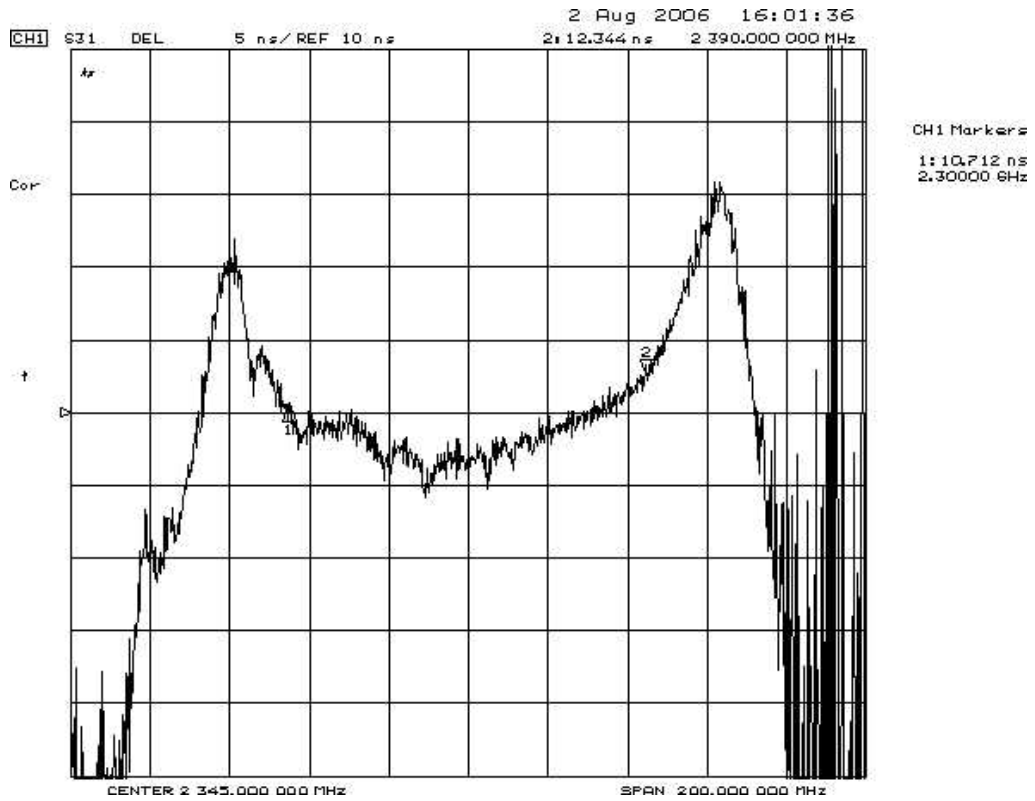
S22 VSWR



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2. Group Delay

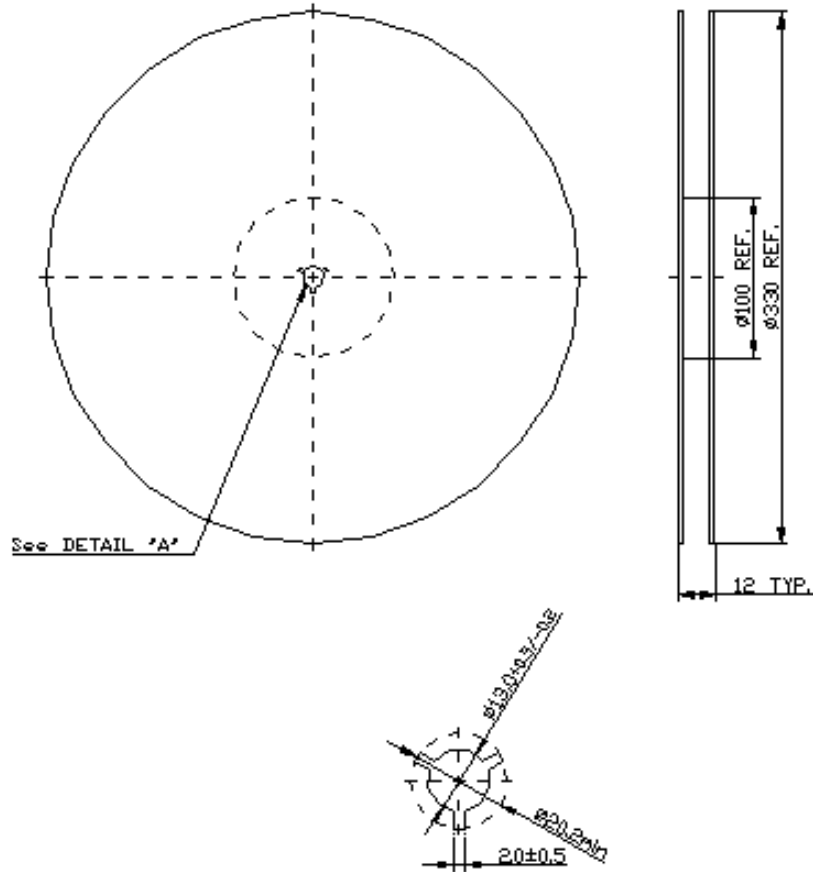


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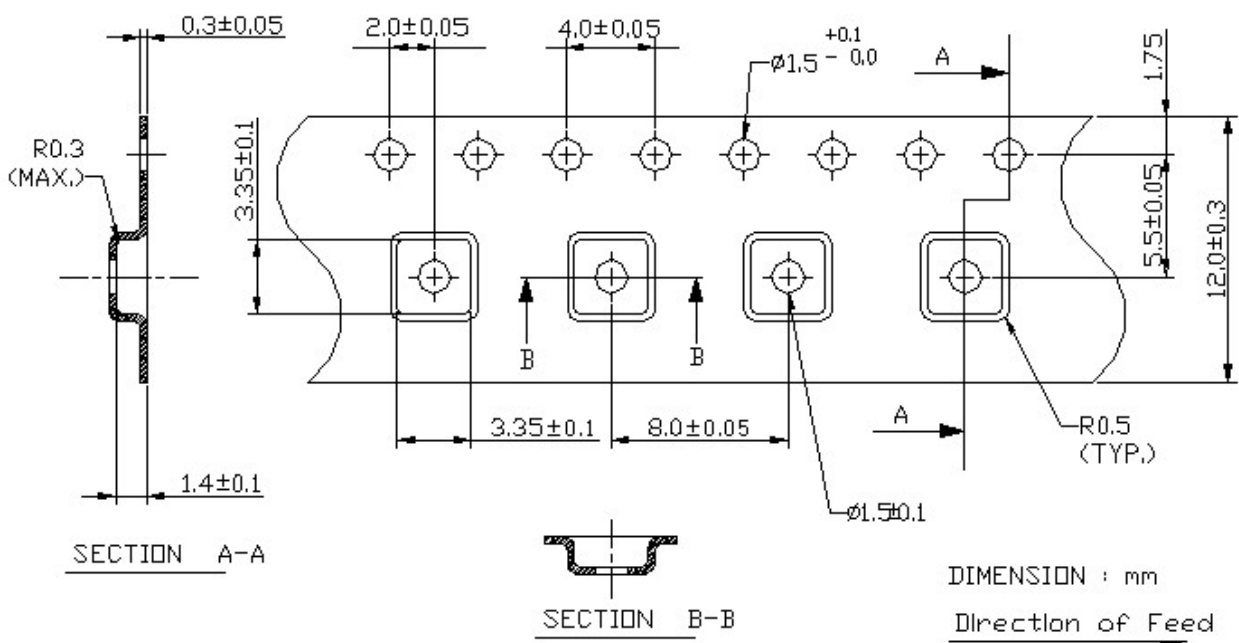
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G. PACKING:

1. Reel Dimensions



2. Tape Dimensions



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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 250 ±10°C peak (max. 10 sec).
4. Time: 2 times.

