

SAW Filter 2313.5MHz

Model: TA0803B

Part No: MP07992 (AEC-Q200 compliant)

Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

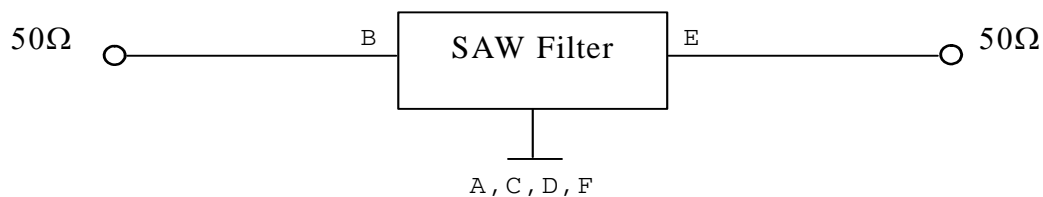
1. Input Power Level: 8dBm
2. DC Voltage: 5V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +125°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	2313.5	-	-
Insertion Loss (2300 ~ 2327MHz) IL	dB	-	2.4	3.5	-
Amplitude Ripple (2300 ~ 2327MHz)	dB	-	0.7	2.4	-
I/O Return Loss (2300 ~ 2327MHz)	dB	10	17	-	-
Attenuation (Reference level from 0dB)					
1800 ~ 2200MHz	dB	40	45	-	-
2200 ~ 2238.5MHz	dB	25	32	-	-
2390 ~ 2400MHz	dB	30	50	-	-
2400 ~ 2800MHz	dB	40	52	-	-

C. MEASUREMENT CIRCUIT:

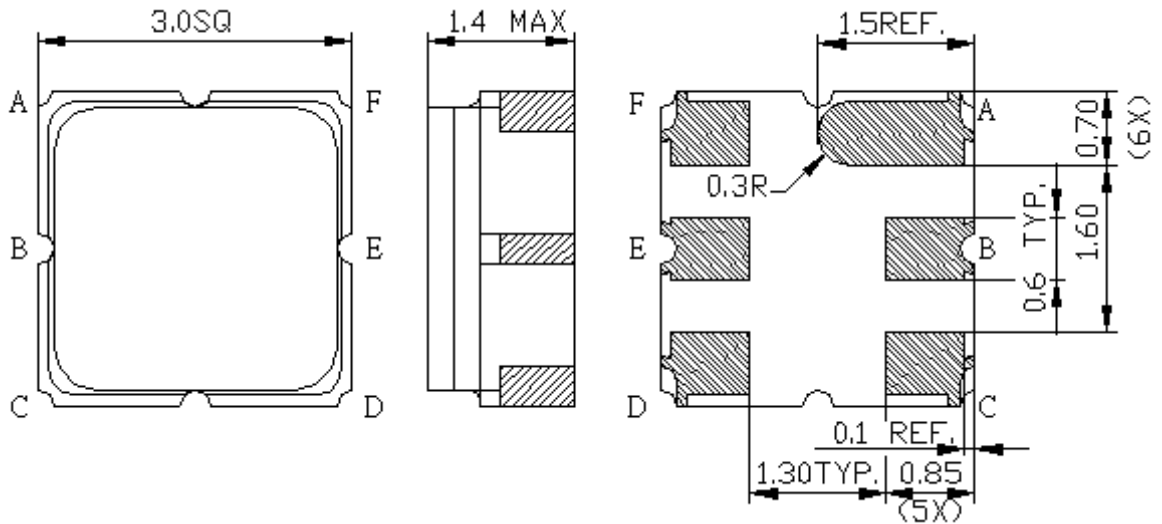
HP Network analyzer



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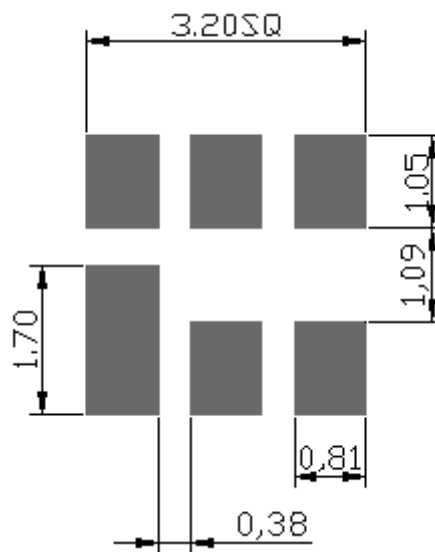
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D. OUTLINE DRAWING:



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

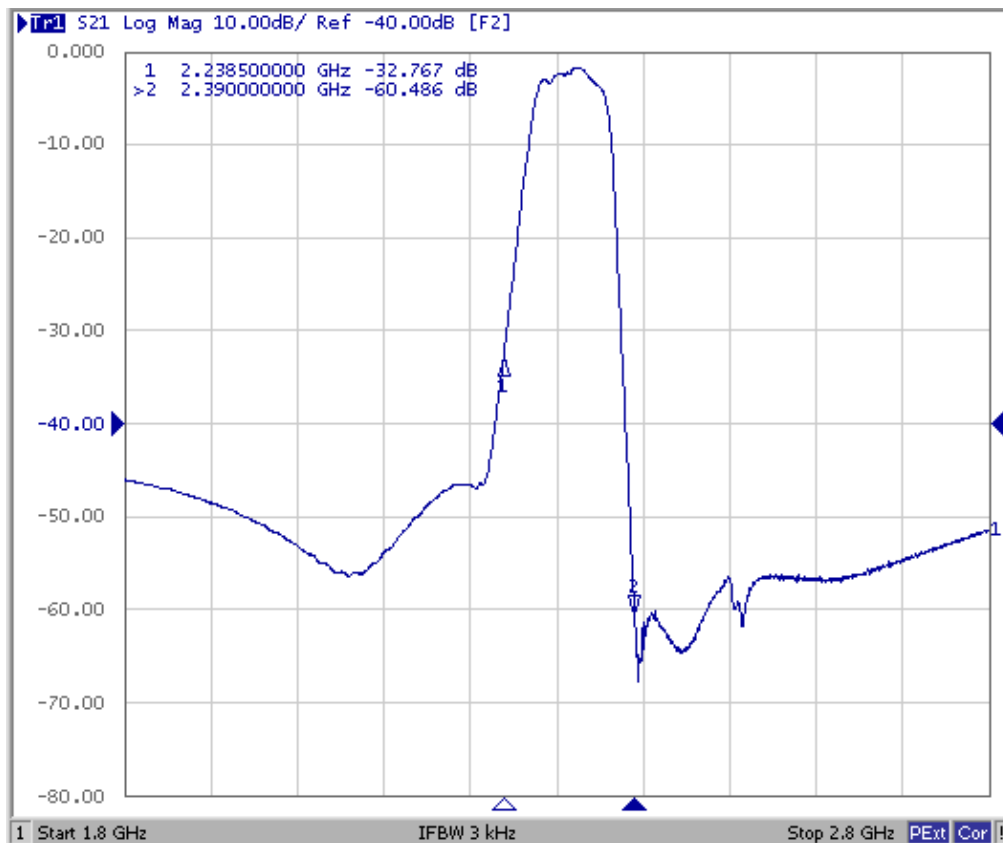
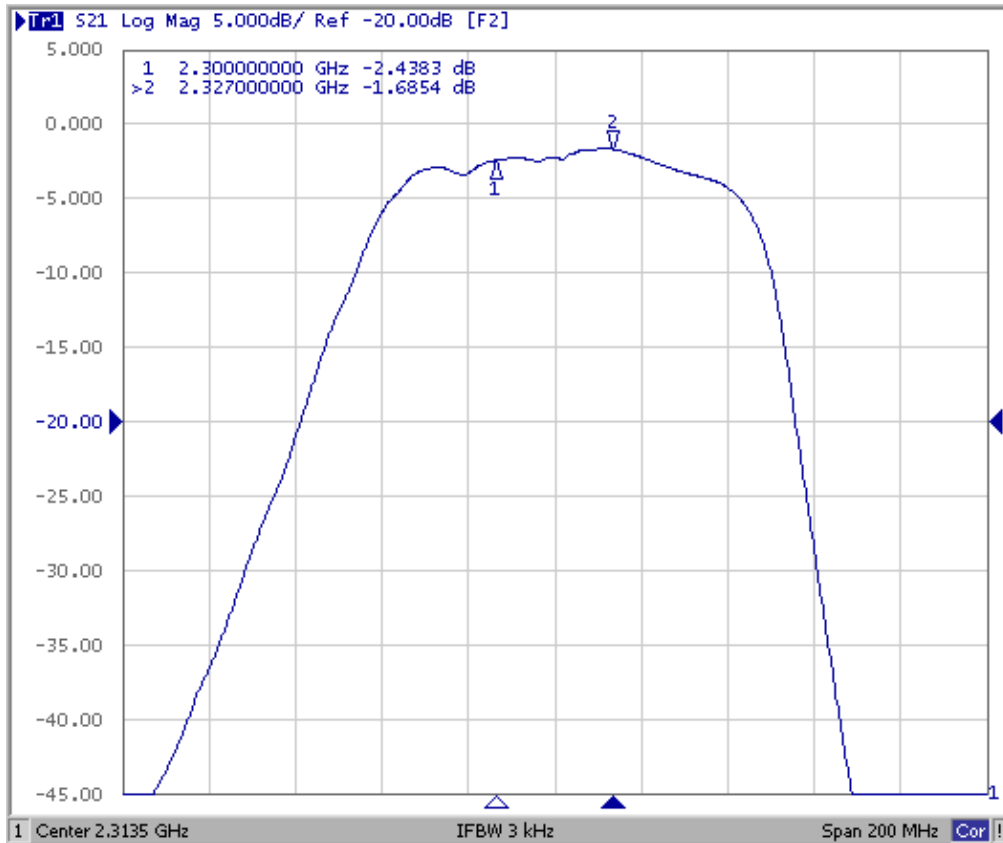
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

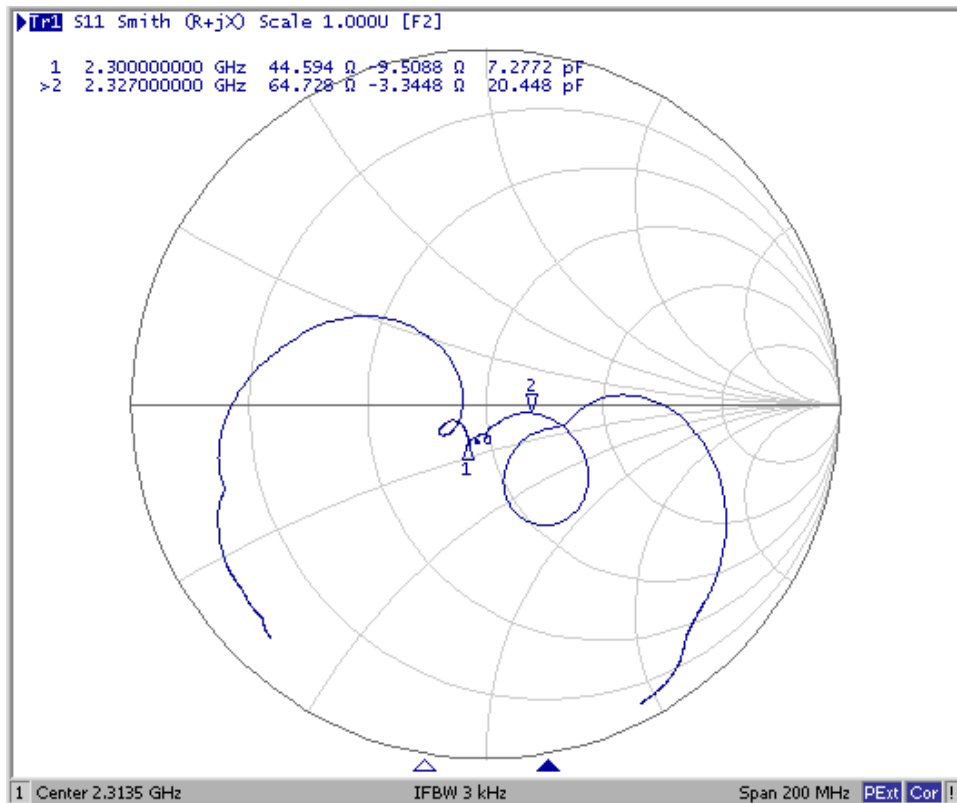
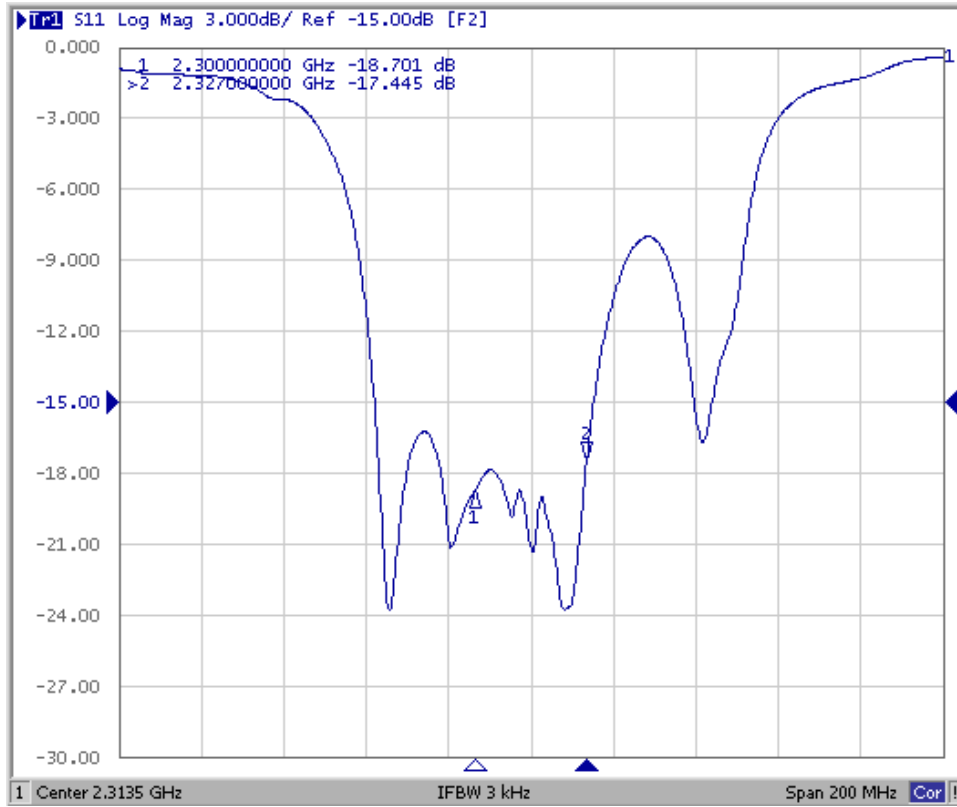


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Reflection Functions

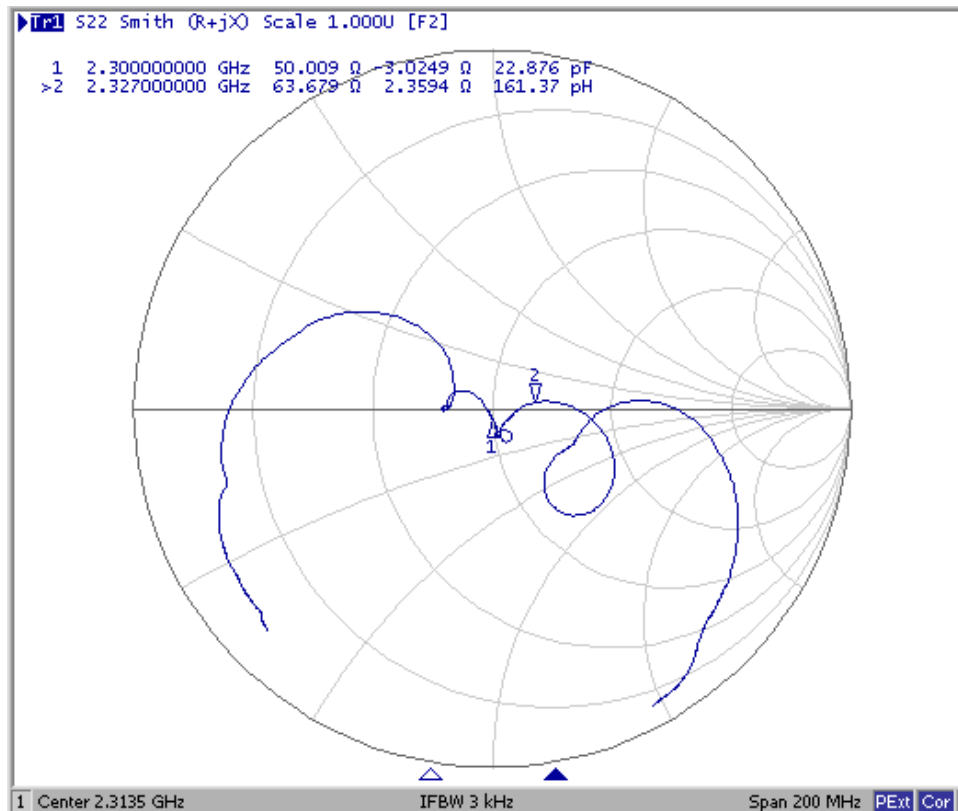
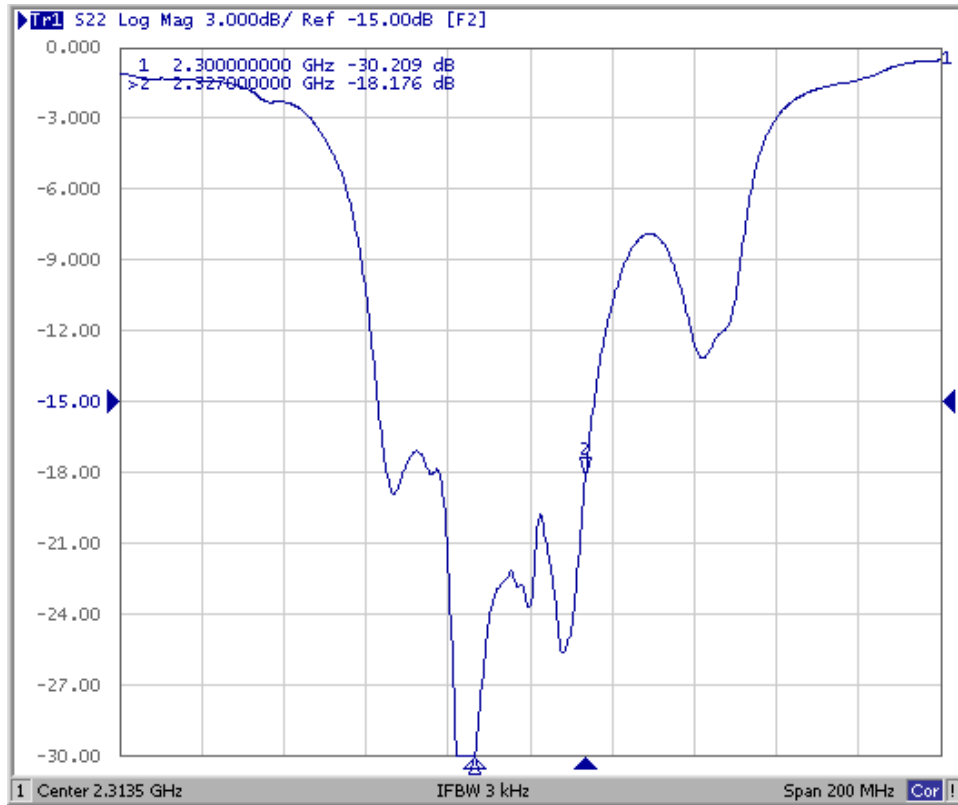
S11



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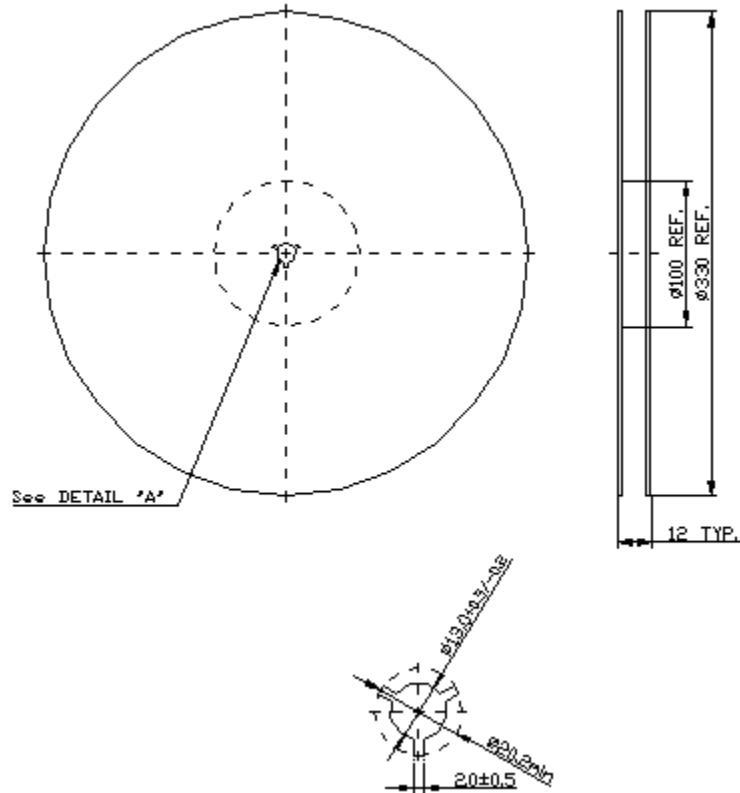


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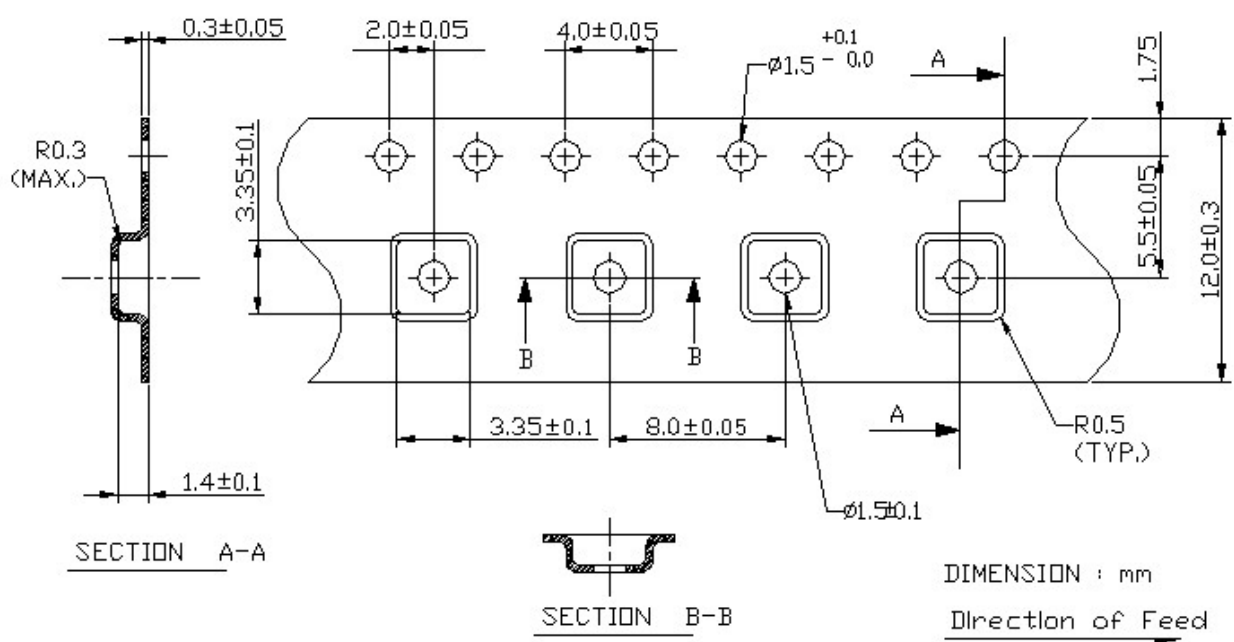
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G. PACKING:

1. Reel Dimension (Please refer to FR-75D10 for packing quantity)



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 260°C +0/-5°C peak (20 ~ 40 sec).
4. Time: 2 times.

