

SAW Filter 2332.50MHz
Part No: MP11310

Model: TA0273C
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -50°C to +95°C

B. ELECTRICAL CHARACTERISTICS:

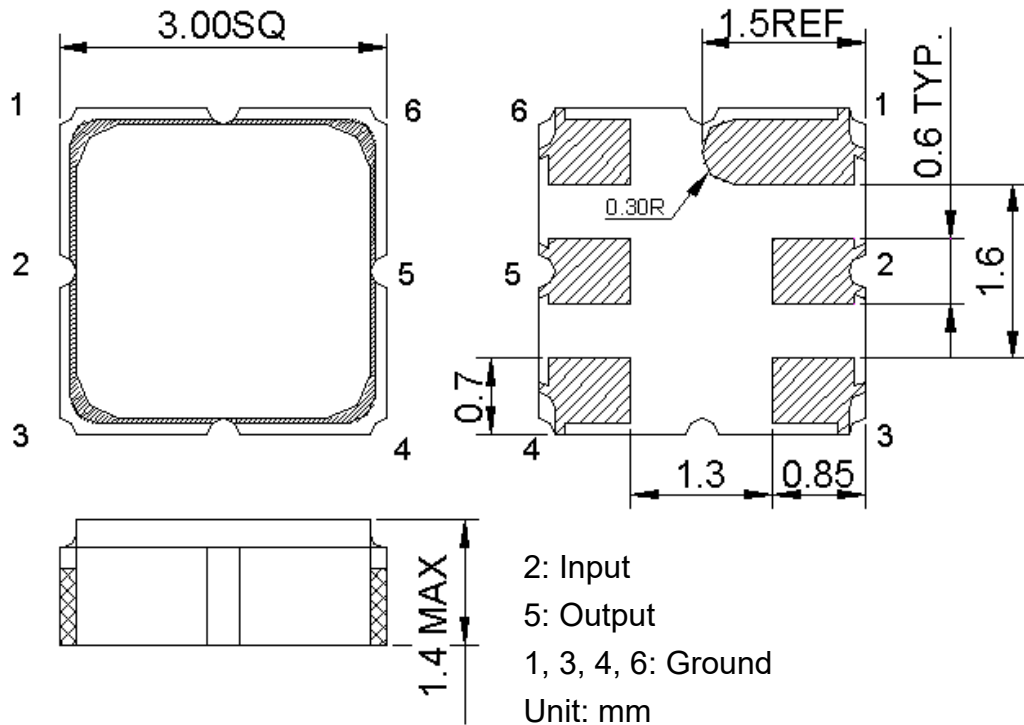
1. Terminating source impedance (single ended): $Z_S = 50\Omega$
2. Terminating load impedance (single ended): $Z_L = 50\Omega$

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	2332.5	-	-
Insertion Loss (2320 ~ 2345MHz)	dB	-	2.1	3.5	-
Amplitude ripple (2320 ~ 2345MHz)	dB	-	0.7	1.5	-
VSWR (2320 ~ 2345MHz)		-	1.3	2.5	-
Group Delay ripple (2320 ~ 2345MHz)	ns	-	5	50	-
Attenuation (reference level from 0dB)					
DC ~ 2175MHz	dB	40	42	-	-
2227MHz	dB	27	43	-	-
2400MHz	dB	12	45	-	-
2426MHz	dB	17	54	-	-
2500MHz	dB	27	50	-	-
2526MHz	dB	32	50	-	-
2571MHz	dB	35	50	-	-
2956MHz	dB	33	37	-	-
2956 ~ 4000MHz	dB	30	32	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

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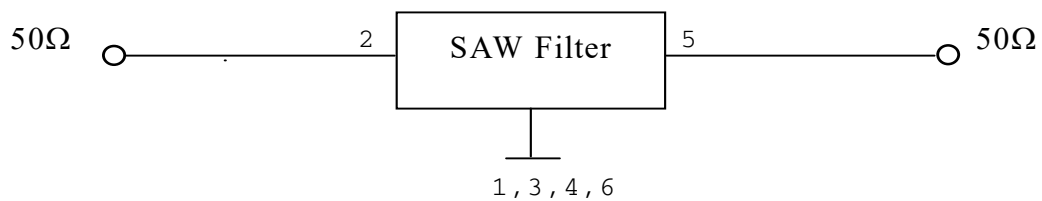
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C. OUTLINE DRAWING:

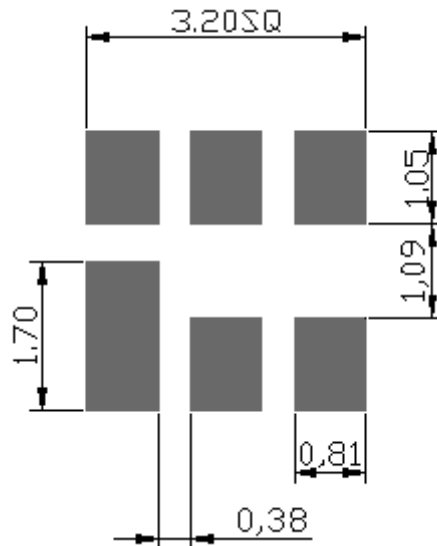


D. MEASUREMENT CIRCUIT:

HP Network analyzer



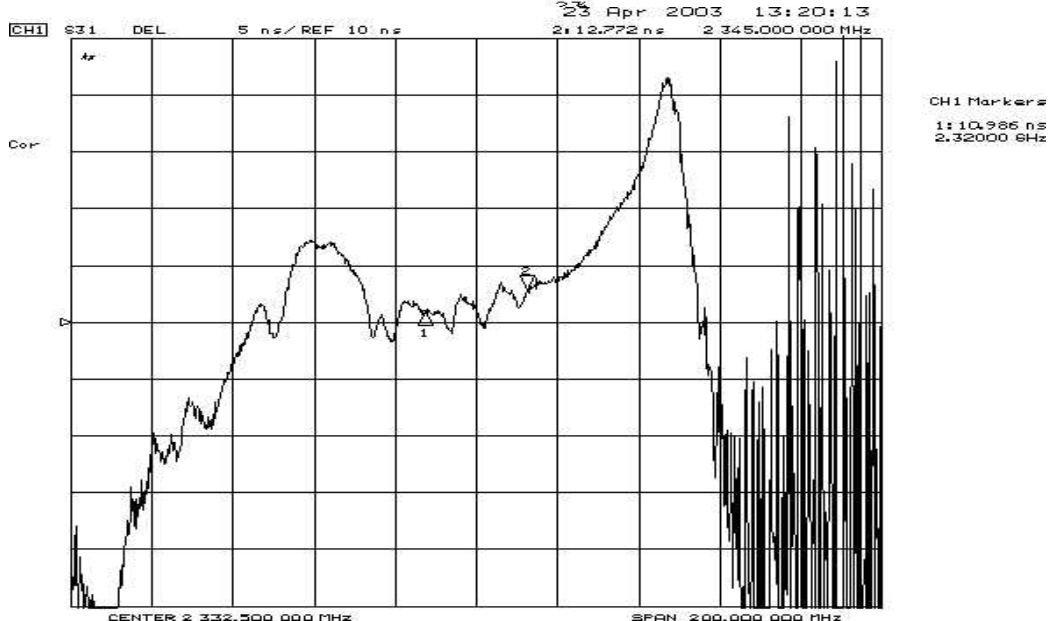
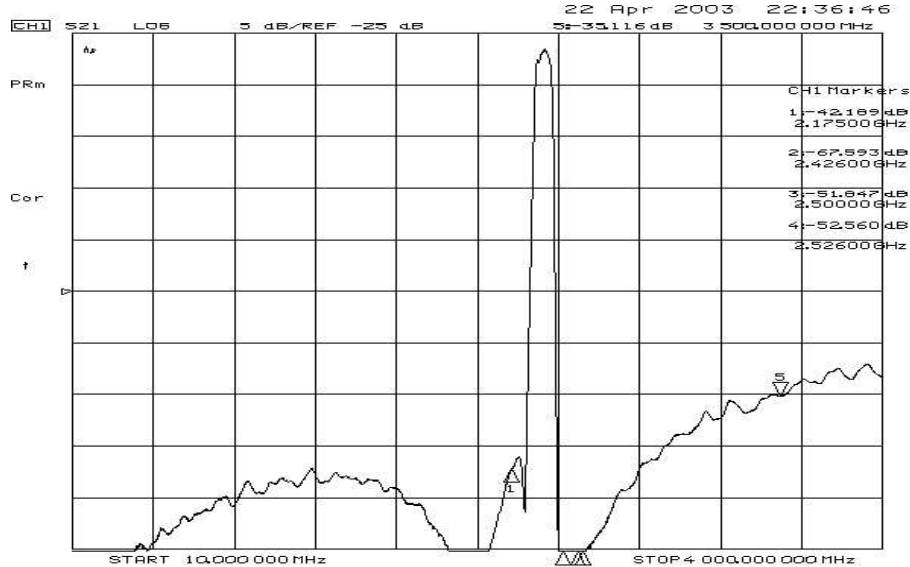
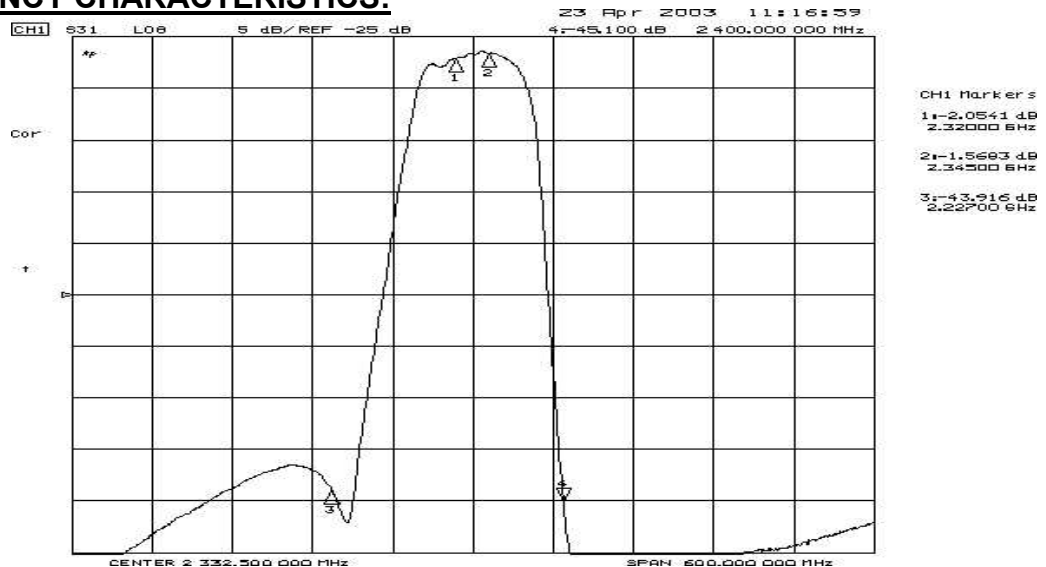
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

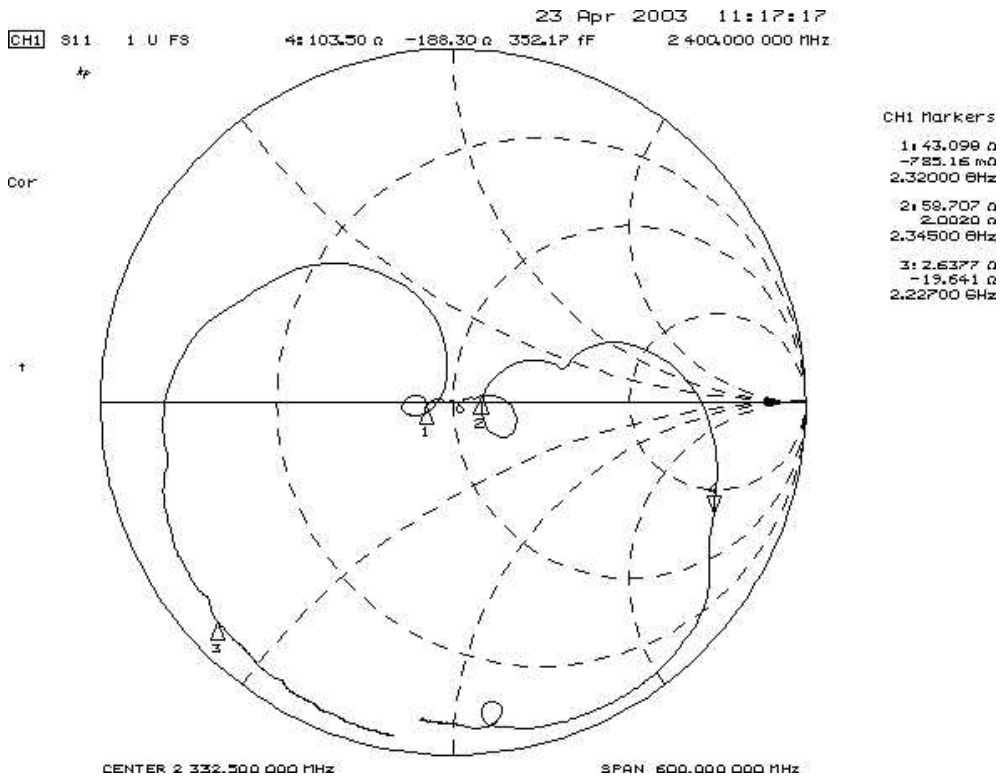
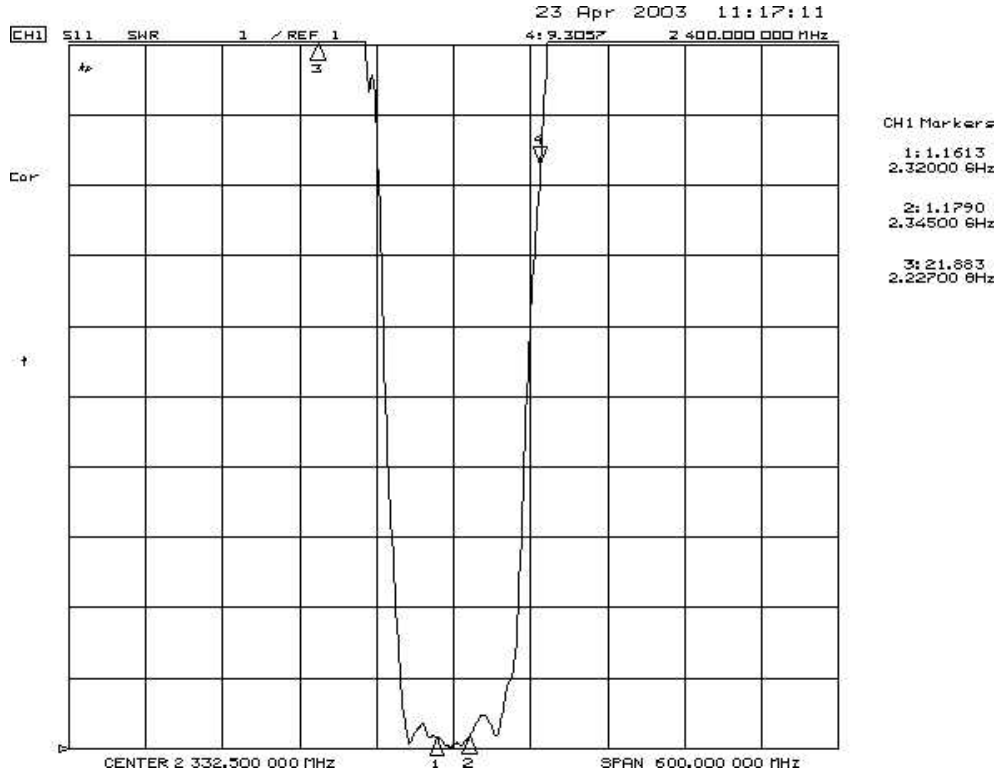


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Reflection Functions

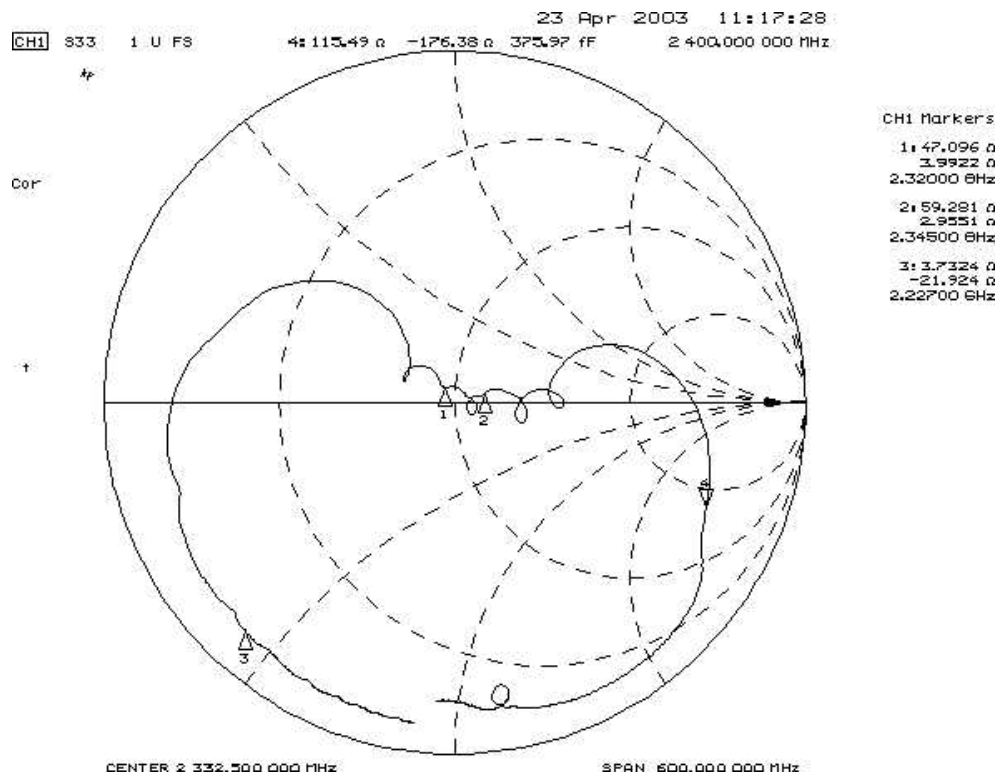
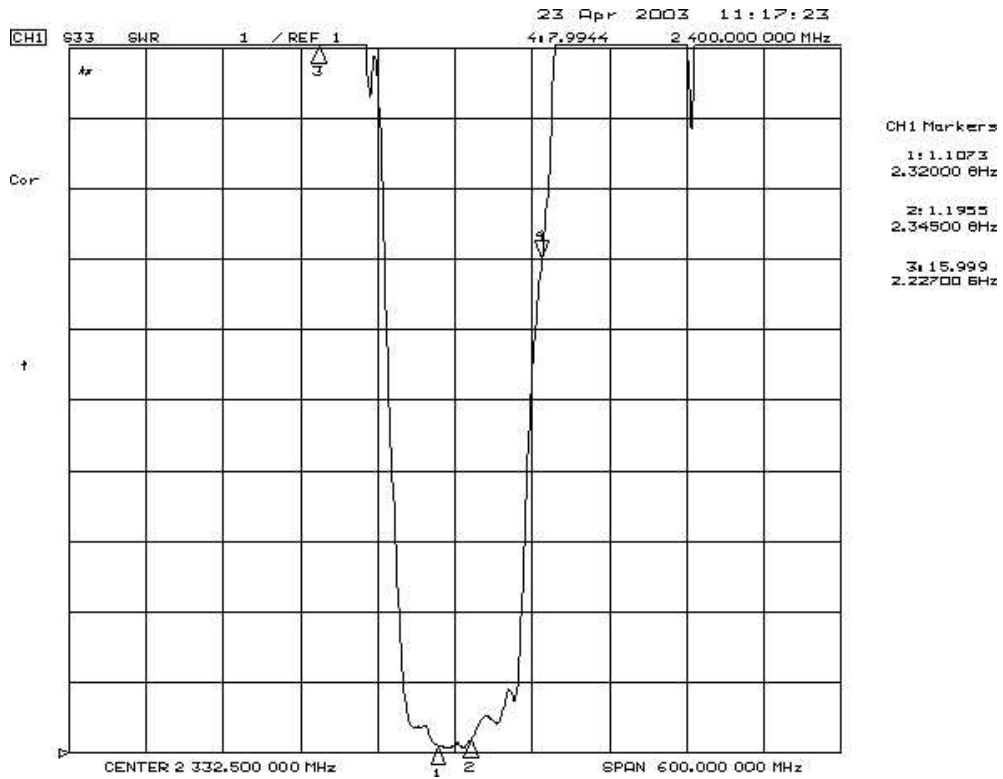
S11



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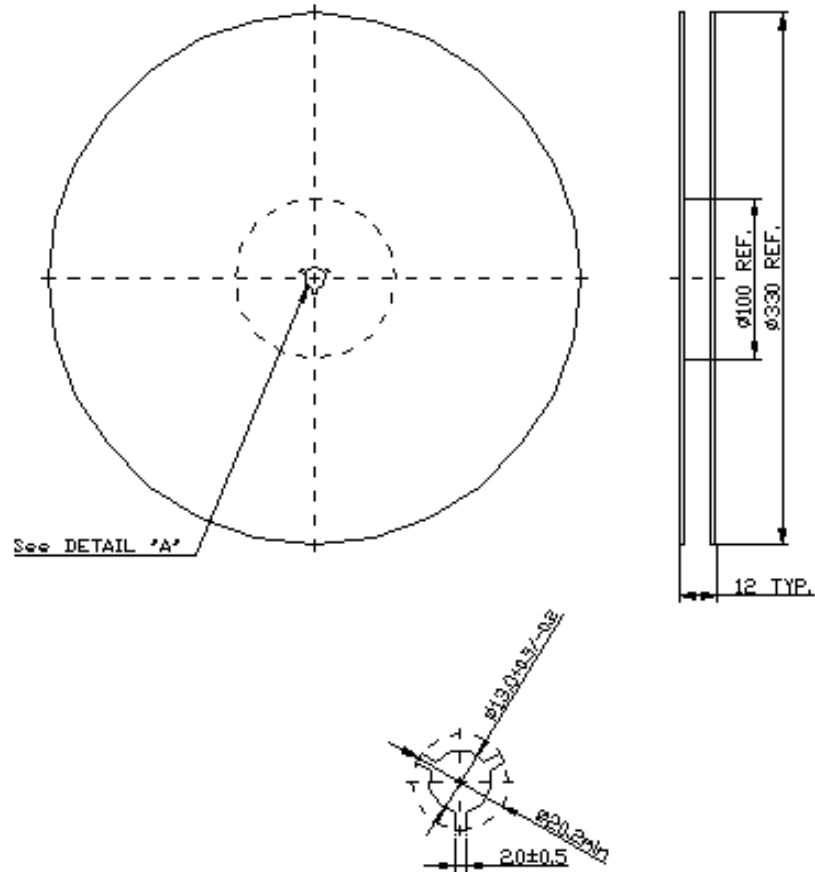


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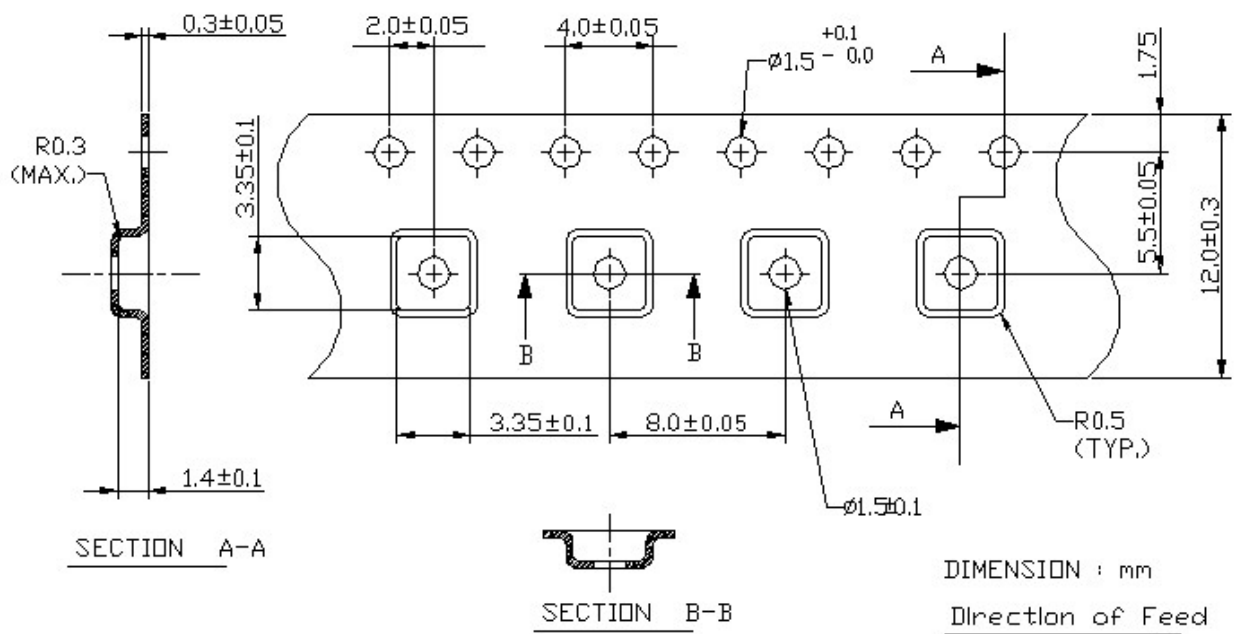
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G. PACKING:

1. Reel 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 245~260°C peak (min. 10 sec).
4. Time: 2 times.

