

SAW Filter 184.0MHz

Model: TA1450A

Part No: MP04679

Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 22dBm
2. DC Voltage: 5V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

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

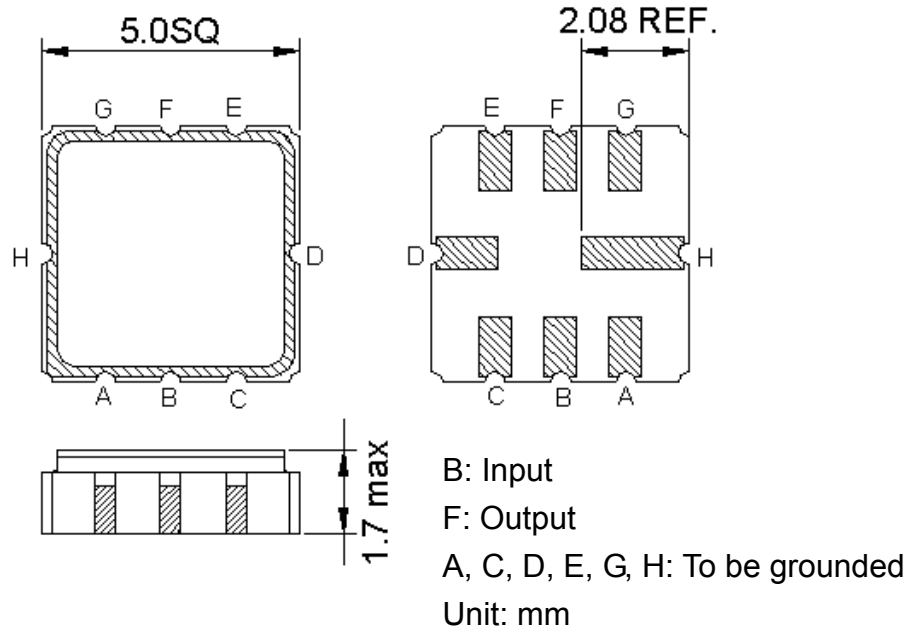
Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	184	-	-
Min. Insertion Loss IL min	dB	-	1.6	2.8	-
Bandwidth @ -1dB	MHz	4	7	-	-
Bandwidth @ -3dB	MHz	6	9.6	-	-
Bandwidth @ -20dB	MHz	-	13	24	-
Attenuation (reference level from 0dB)					
Fc -50 ~ Fc -30MHz	dB	42	55	-	-
Fc -30 ~ Fc -15MHz	dB	36	53	-	-
Fc +30 ~ Fc +50MHz	dB	42	50	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

Note: IL min is the minimum of the pass band attenuation. The center frequency Fc is the mean value of the upper and lower frequencies at the 3dB filter attenuation level relative to the IL min.

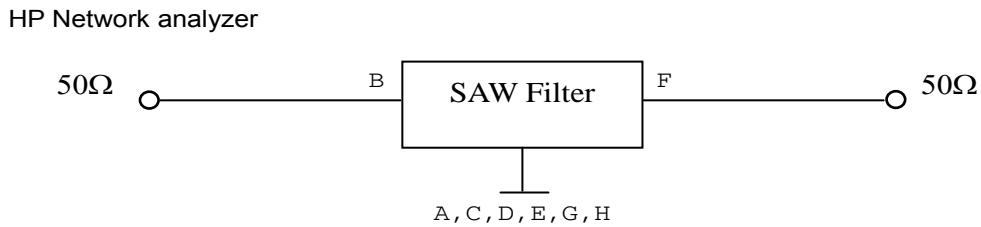
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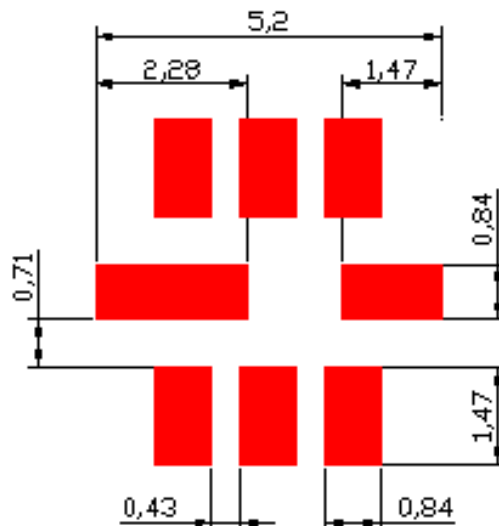
C. OUTLINE DRAWING:



D. MEASUREMENT CIRCUIT:



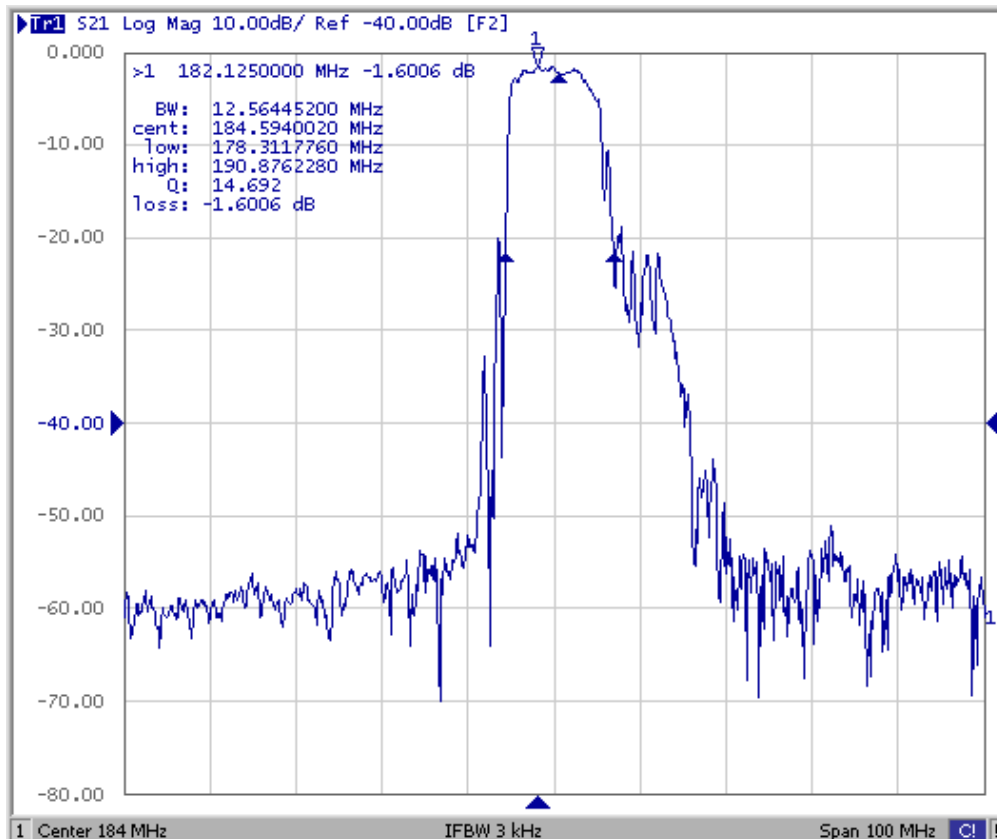
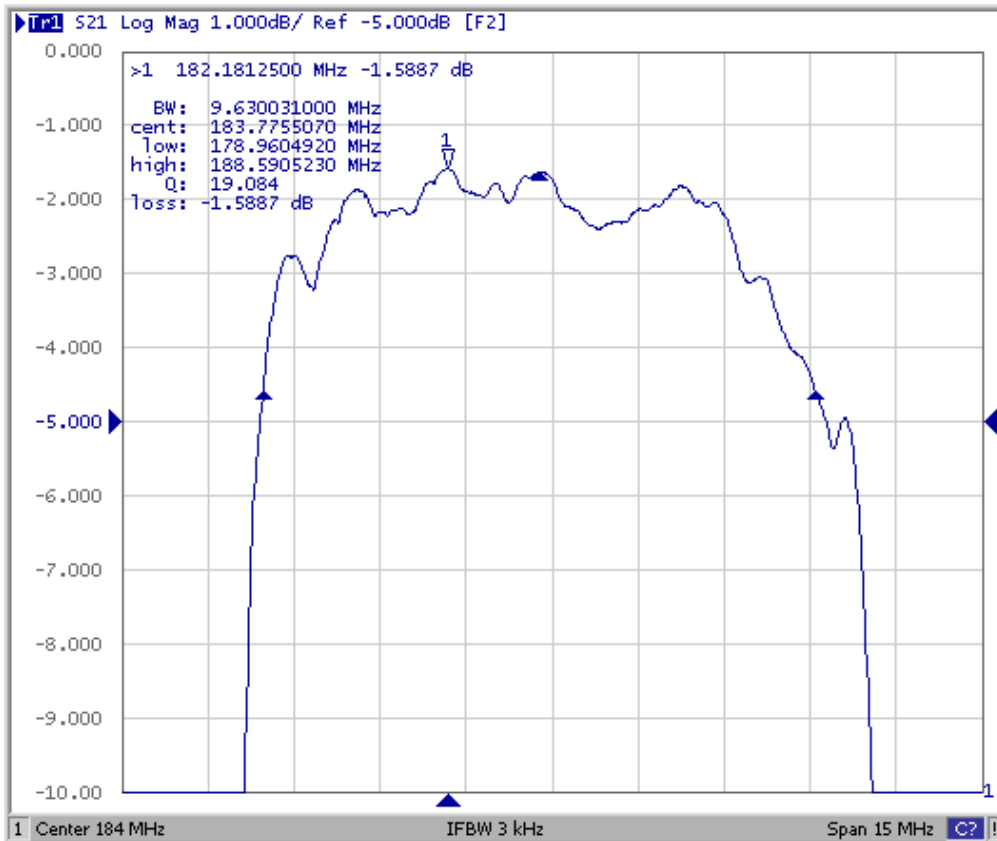
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:



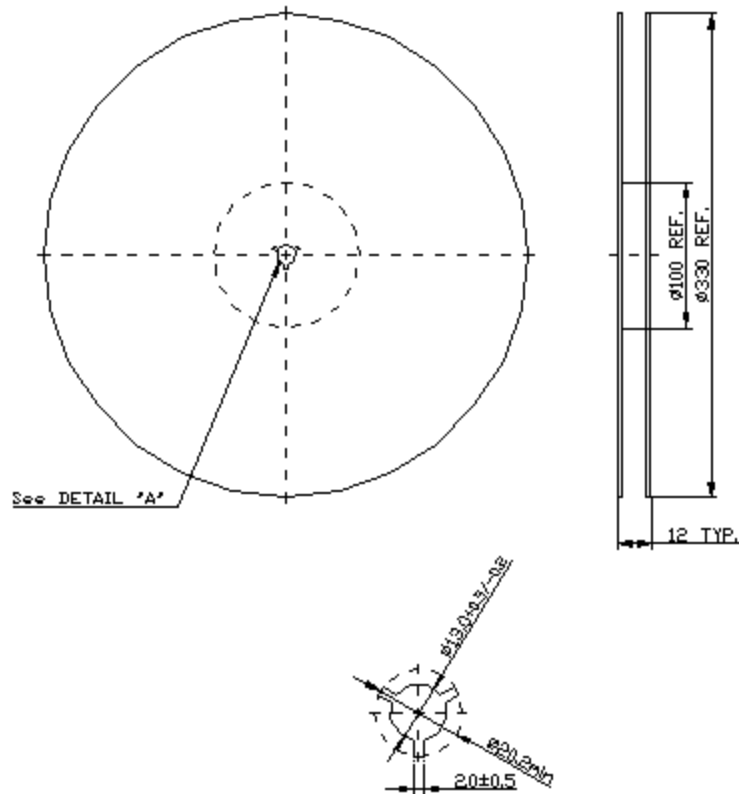
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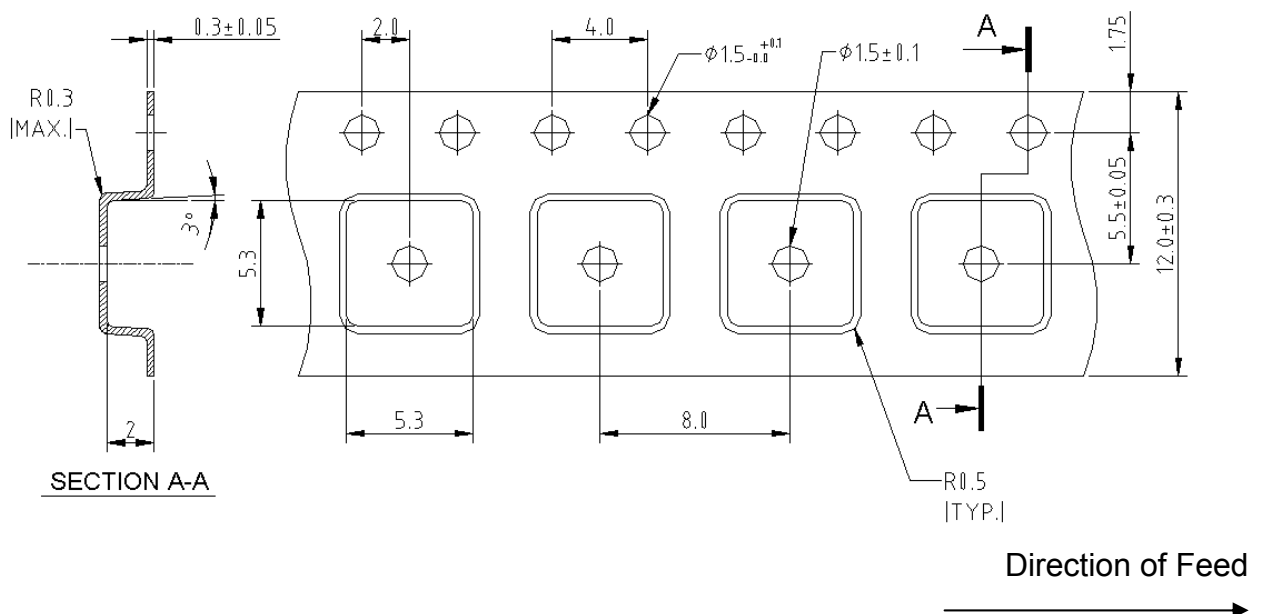
G. PACKING:

1. Reel Dimension

(Reel Count: 7" = 1000; 13" = 3000)



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.

