

SAW Filter 480.0MHz
Part No: MP10257

Model: TA2078A
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

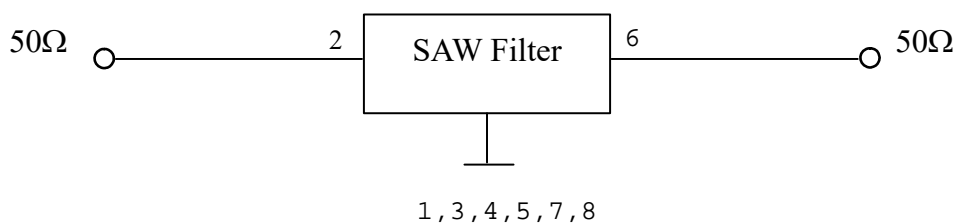
1. Input Power Level: 10dBm
2. DC voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level 1 (MSL 1)

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	480	-
Insertion Loss (470 ~ 490MHz) IL	dB	-	2.5	3.0
Amplitude Ripple (470 ~ 490MHz)	dB	-	1.5	2.4
Attenuation (Reference level from 0dB)				
380 ~ 400MHz	dB	38	45	-
400 ~ 450MHz	dB	28	33	-
500 ~ 510MHz	dB	30	39	-
510 ~ 530MHz	dB	32	40	-
530 ~ 580MHz	dB	34	42	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-

C. MEASUREMENT CIRCUIT:

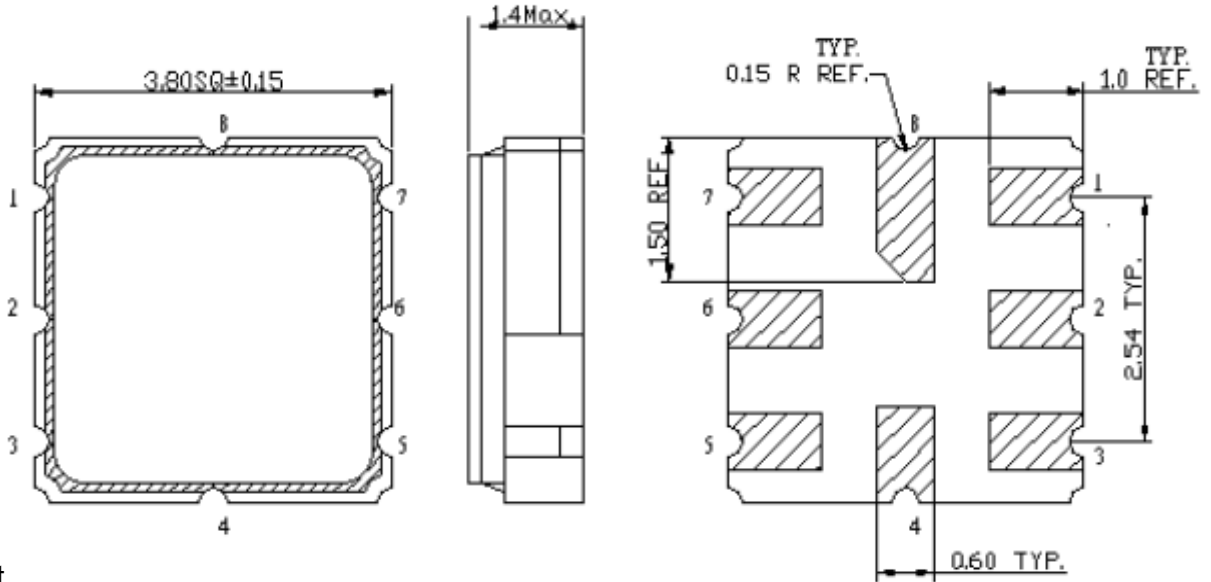
HP Network analyzer



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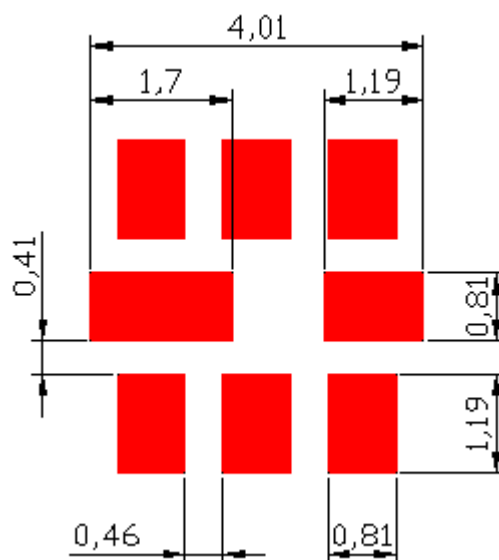
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D. OUTLINE DRAWING:



- 2: Input
- 6: Output
- 1, 3, 4, 5, 7, 8: Ground

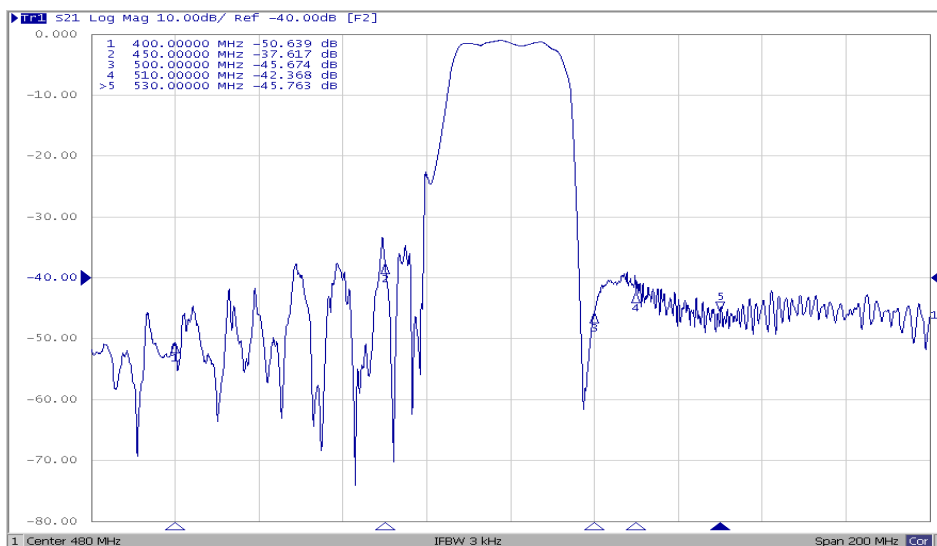
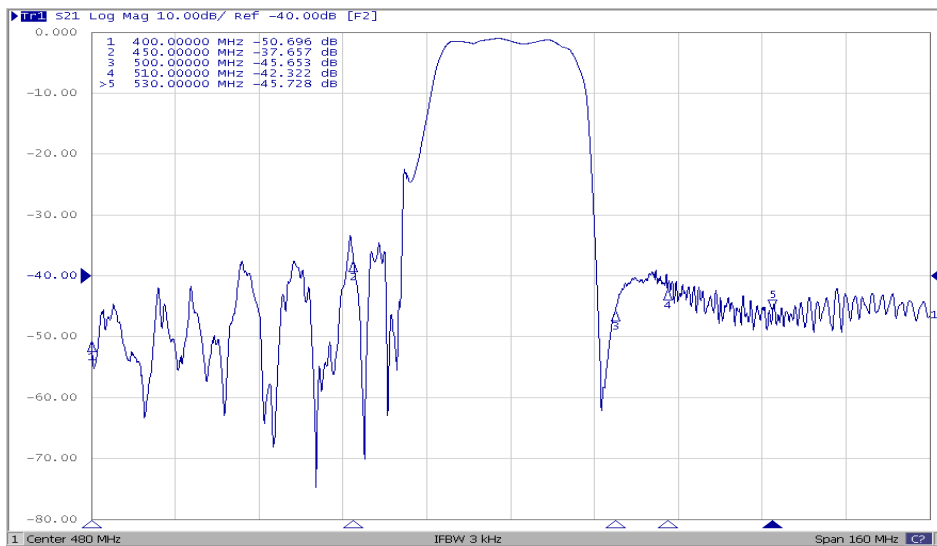
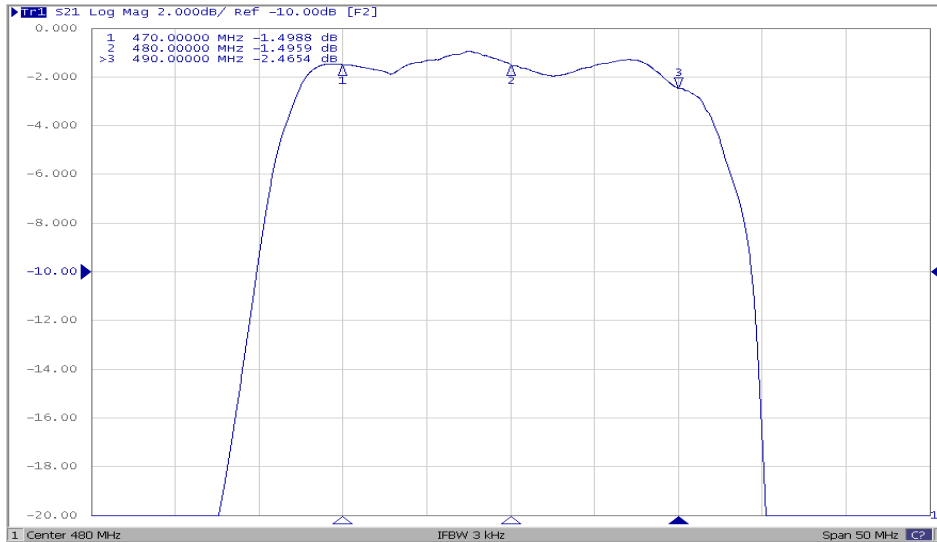
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

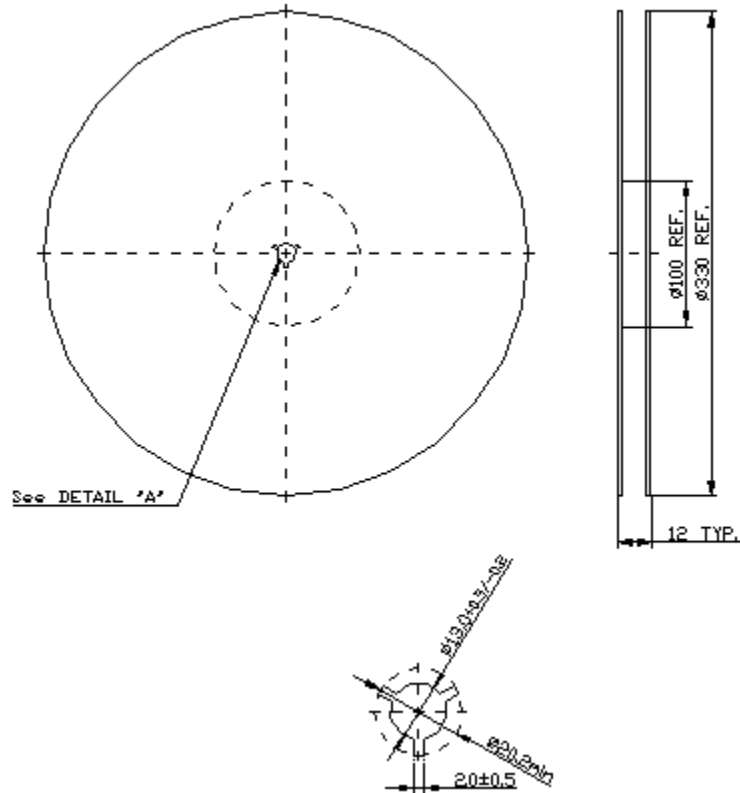


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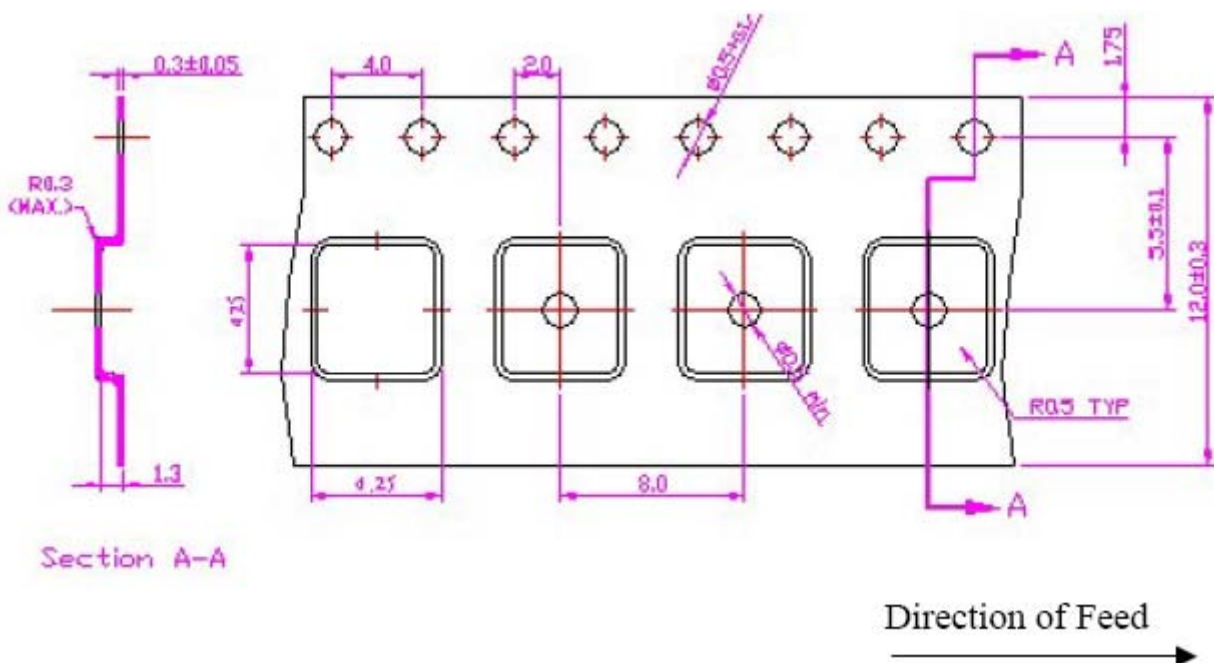
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G. PACKING:

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

