

SAW Filter 558.0MHz
Part No: MP10063

Model: TA2421A
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

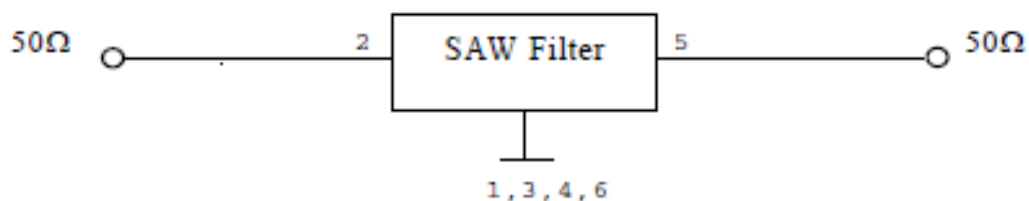
1. Input Power Level: 20dBm (CW for 70000 hrs at 25°C)
2. DC voltage: 5V
3. Operating Temperature: -40°C to +105°C
4. Storage Temperature: -40°C to +105°C
5. Moisture Sensitivity Level: Level 1 (MSL1)

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min	Typ	Max
Center Frequency Fc	MHz		558	
Insertion Loss 542~574MHz (0°C to +50°C)	dB		2.6	3.5
Insertion Loss 542~574MHz (-40°C to +105°C)	dB		2.6	5.0
Return Loss 542~574MHz (0°C to +50°C)	dB	12	15	
Pass band 542~574MHz	MHz	32	37	
Attenuation (Reference level from 0dB)				
10~380MHz	dB	48	52	
380~480MHz	dB	35	45	
640~900MHz	dB	38	44	
900~1150MHz	dB	32	40	
Temperature Coefficient of Frequency	ppm/°C	-75 typ		

C. MEASUREMENT CIRCUIT:

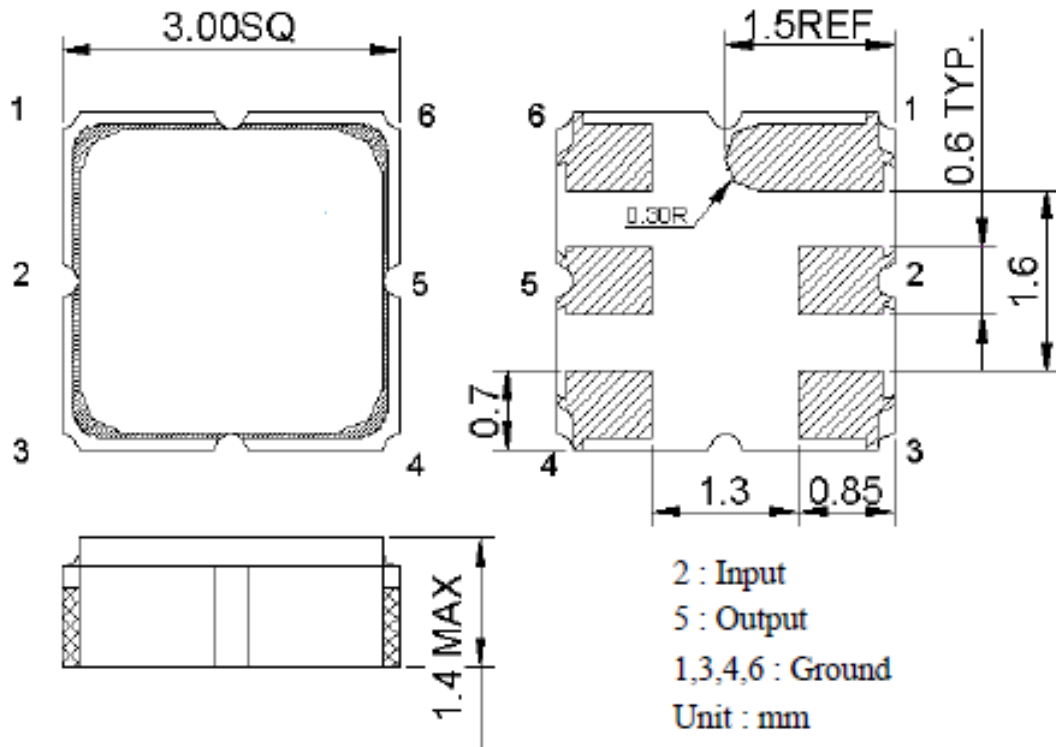
HP Network analyzer



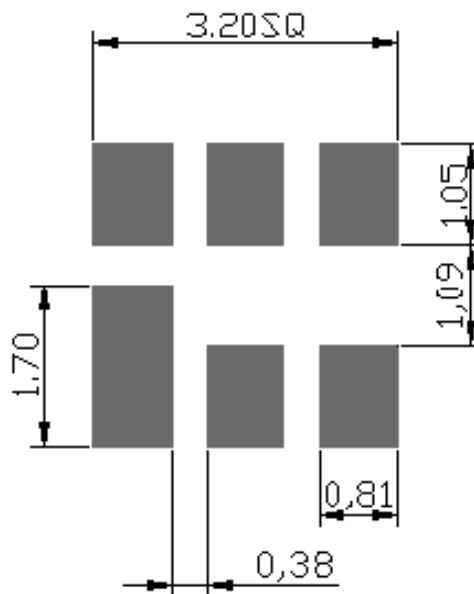
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D. OUTLINE DRAWING:



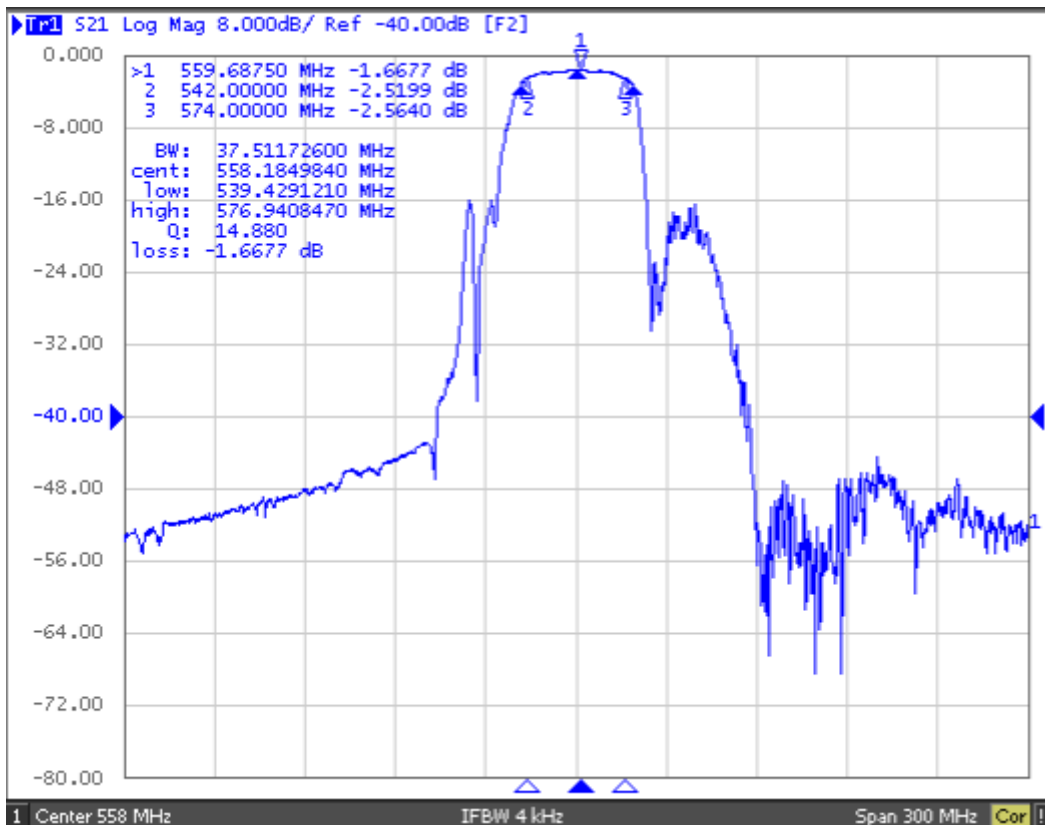
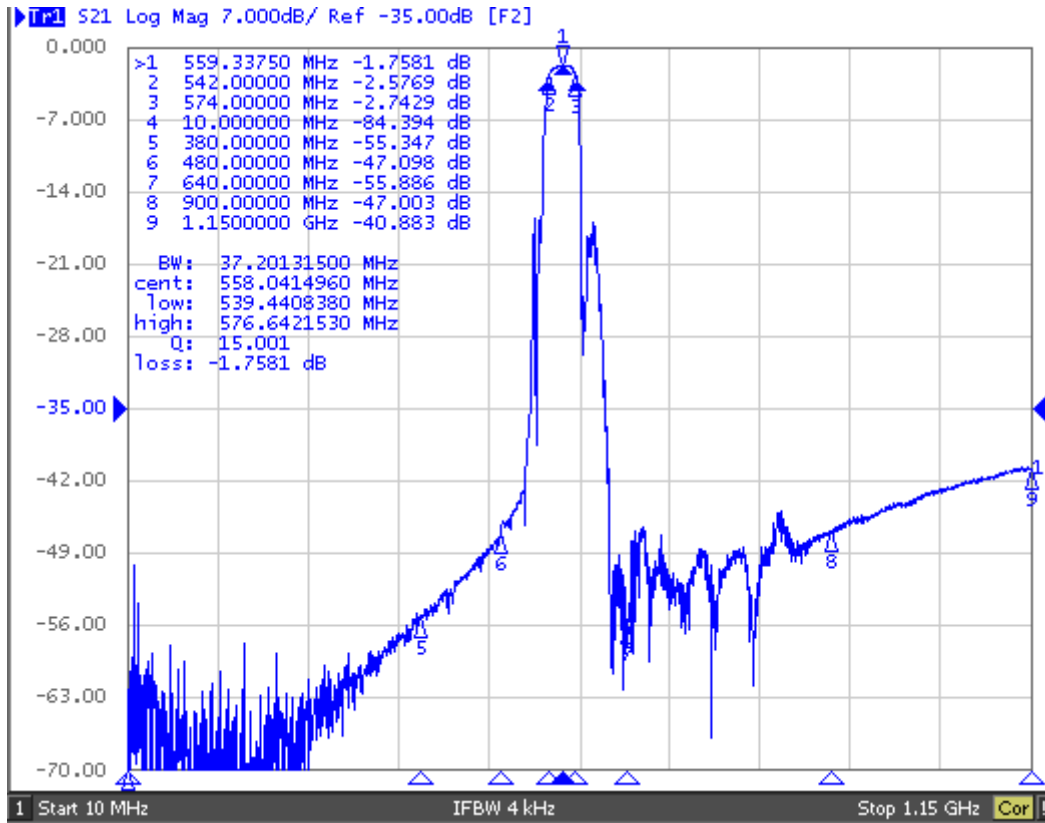
E. PCB FOOTPRINT:



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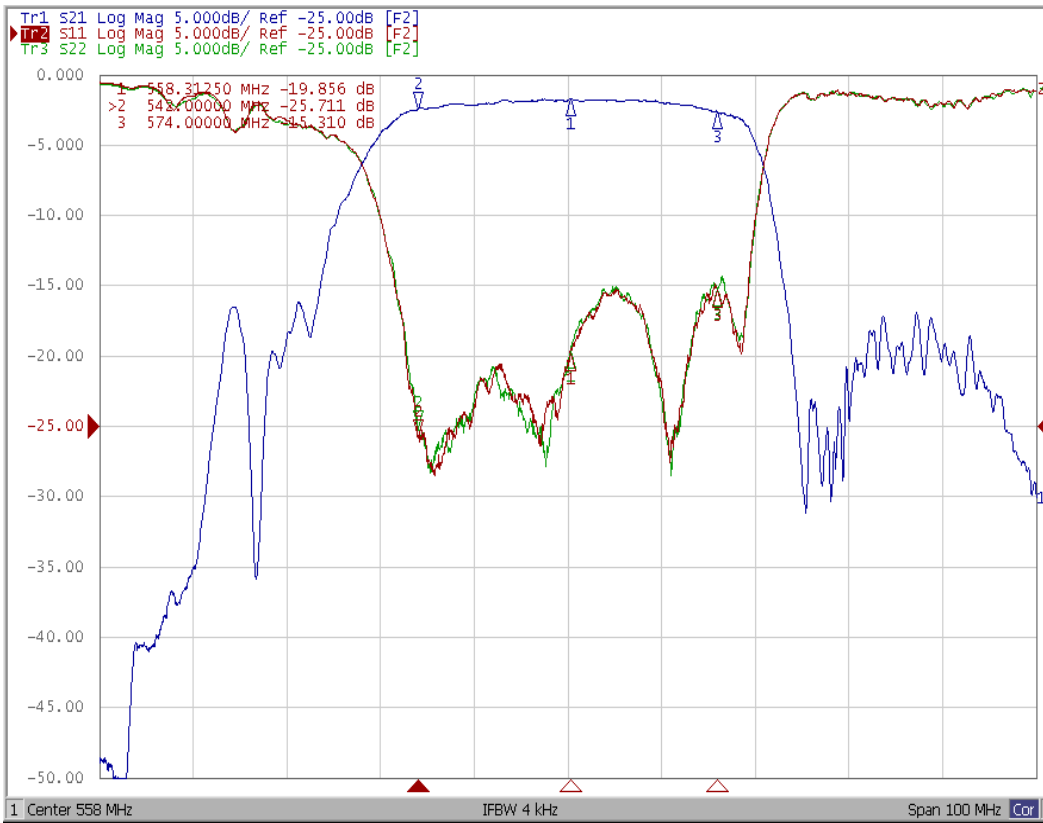
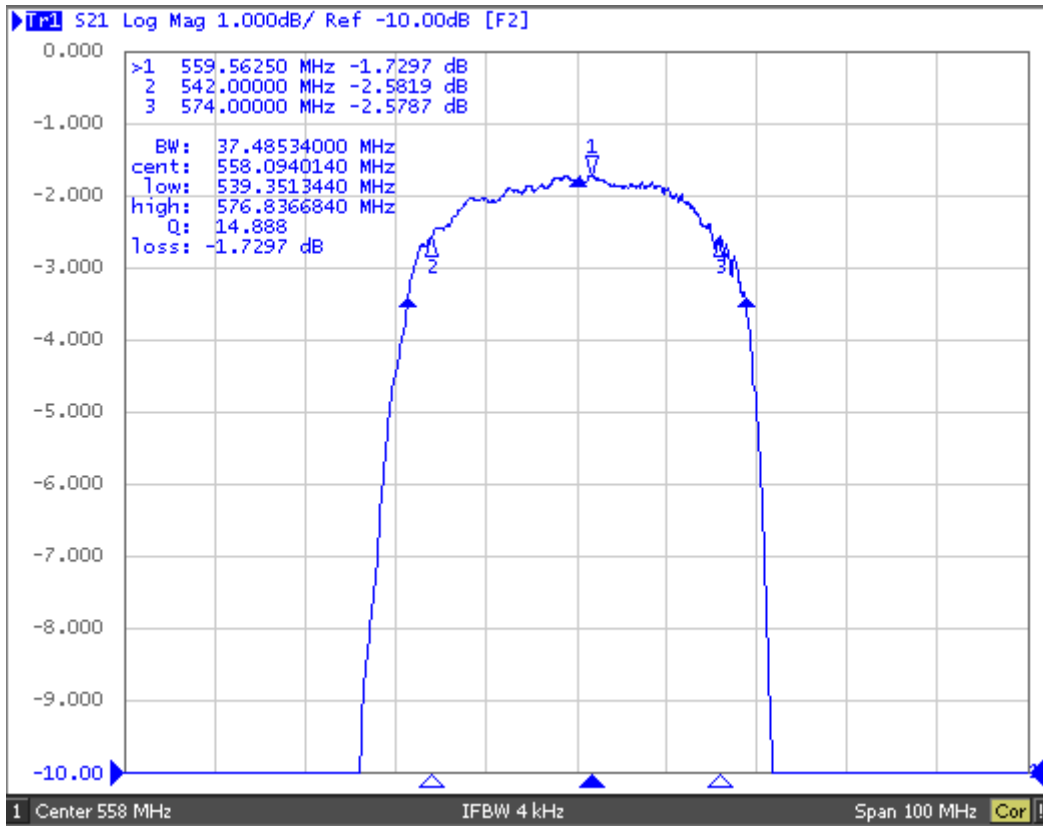
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F. FREQUENCY CHARACTERISTICS:



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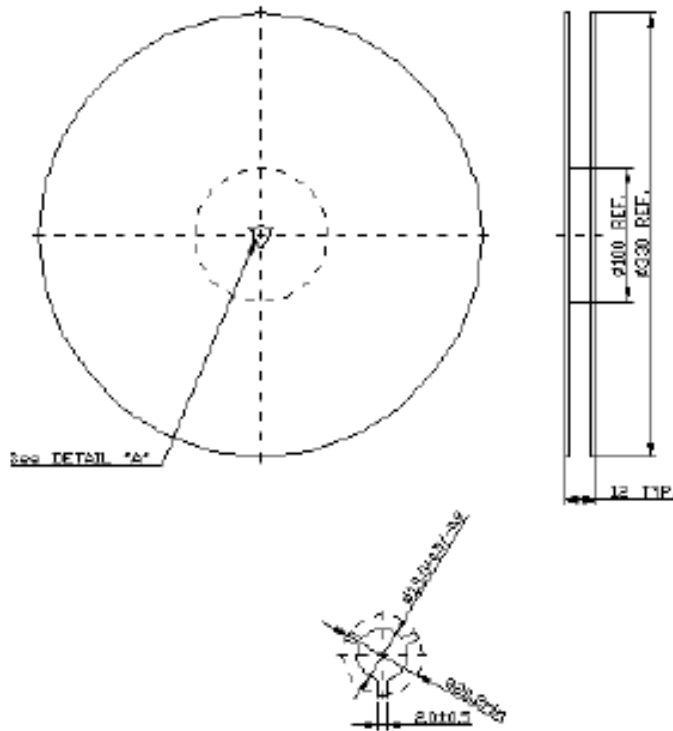


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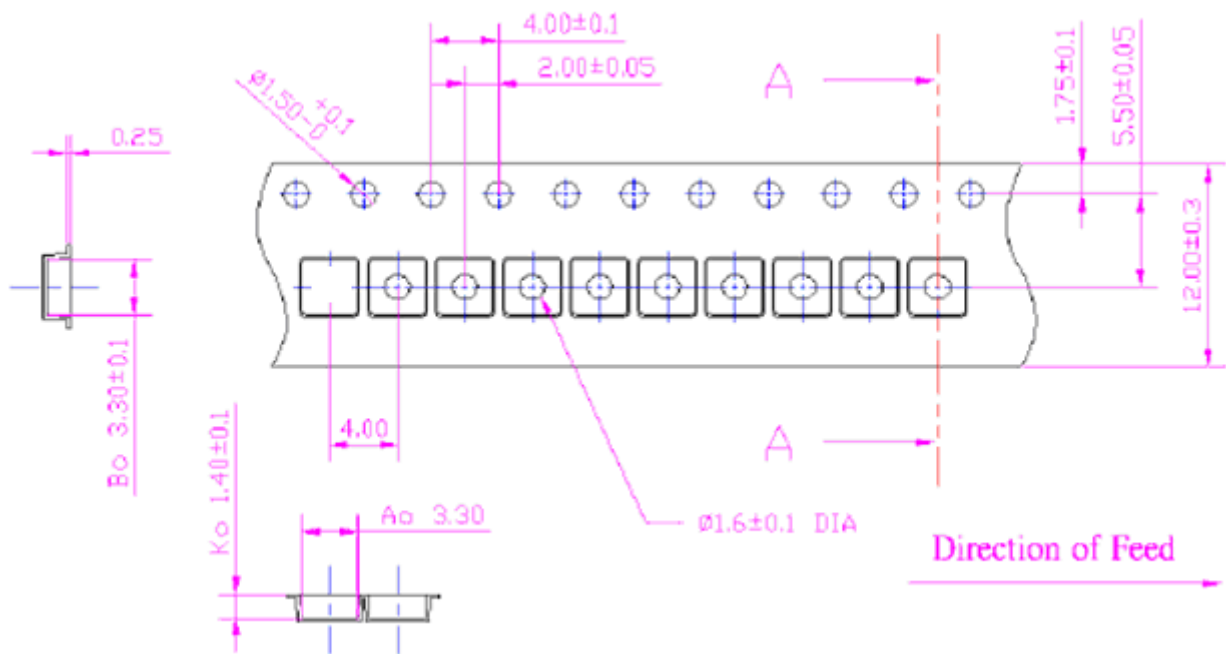
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G. PACKING:

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

