

SAW Filter 447.50MHz
Part No: MP09607

Model: TA1960A
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

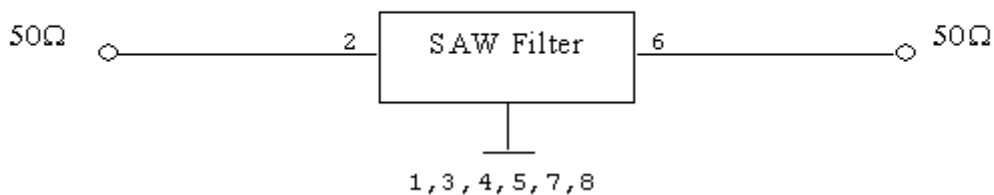
1. Input Power Level: 10dBm
2. DC Voltage: 3 V
3. Operating Temperature: 0°C to +60°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitive Level (MSL): Level 1

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	447.5	-
Insertion Loss (440 ~ 455MHz) IL	dB	-	3.0	3.5
Amplitude ripple (440 ~ 455MHz)	dB	-	20.	2.5
Attenuation (Reference level from 0)				
10 ~ 420MHz	dB	30	35	-
460 ~ 465MHz	dB	30	35	
465 ~ 480MHz	dB	35	40	
480 ~ 1000MHz	dB	35	40	
Temperature Coefficient of Frequency	ppm/°C	-	-36	-

C. MEASUREMENT CIRCUIT:

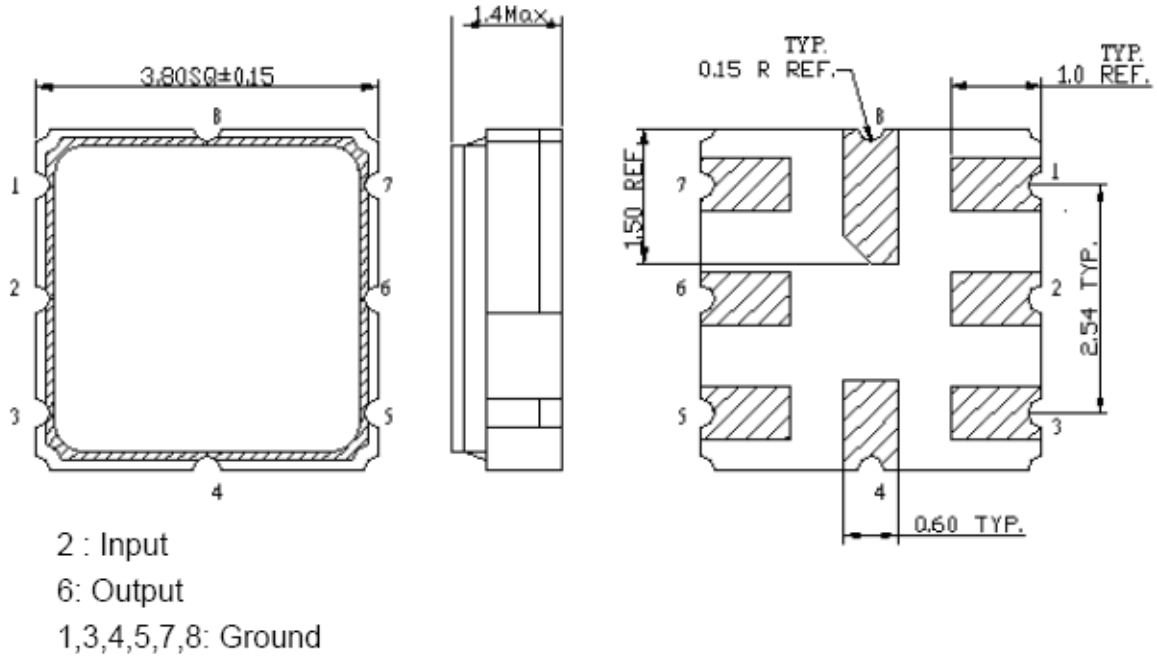
HP Network analyzer



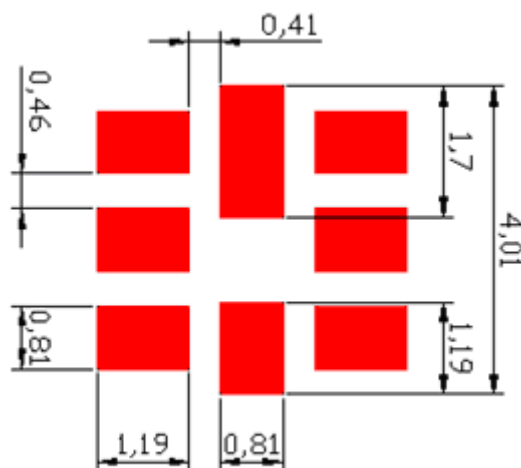
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D. OUTLINE DRAWING:



E. PCB FOOTPRINT:

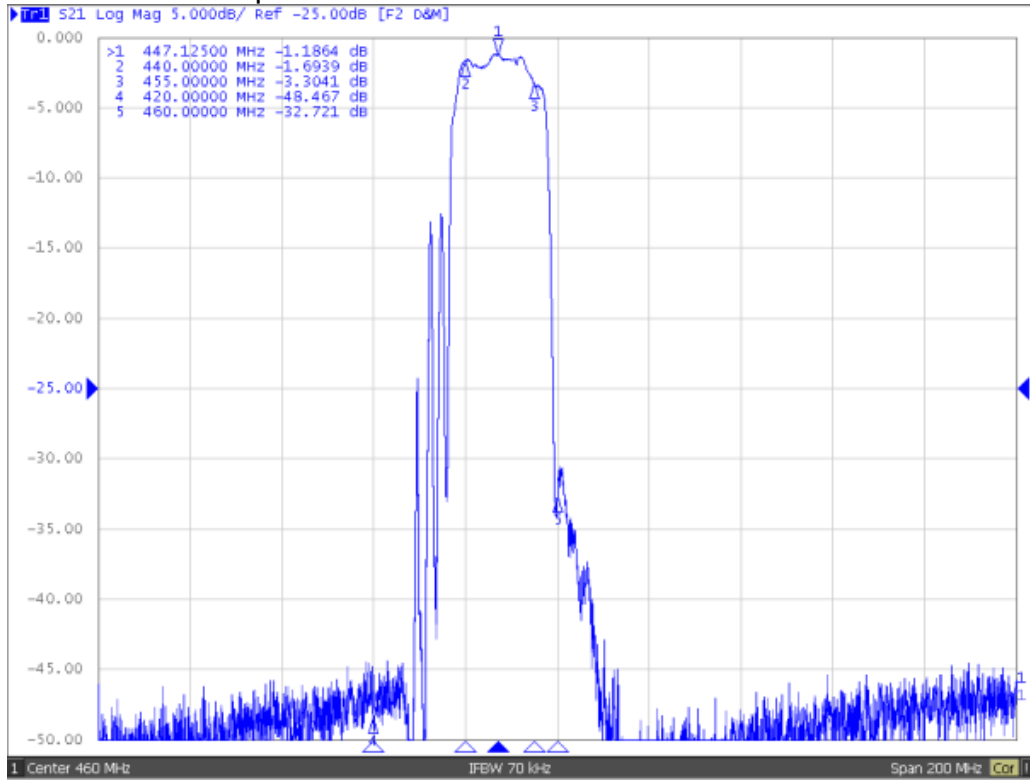


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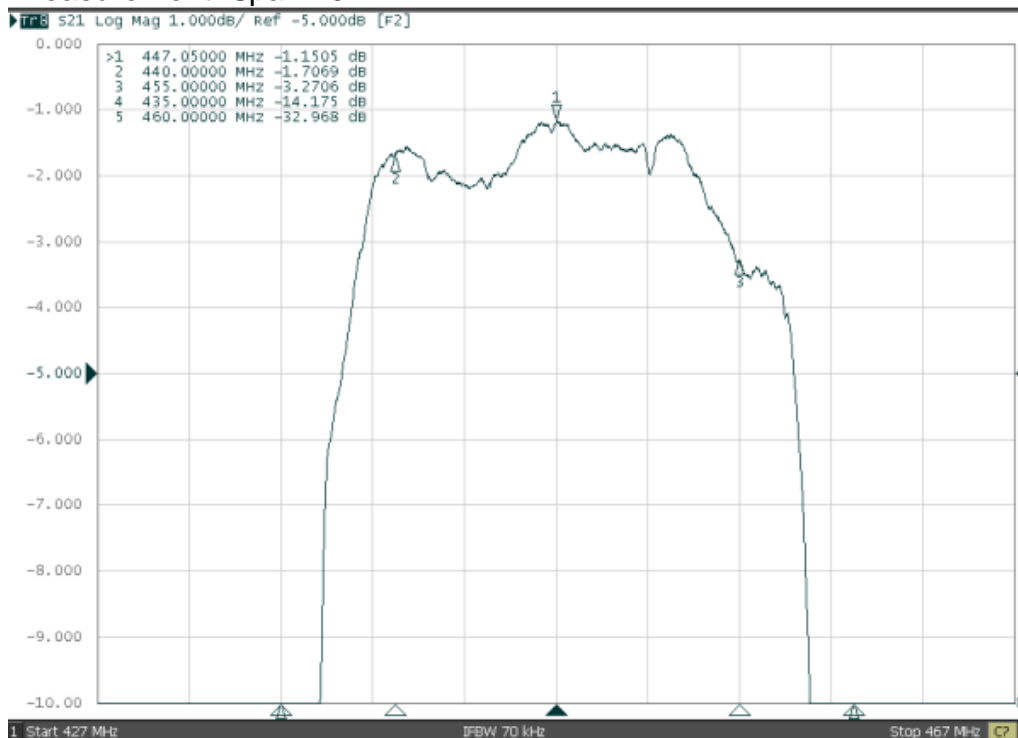
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F. FREQUENCY CHARACTERISTICS:

1. S21 Measurement: Span 200MHz



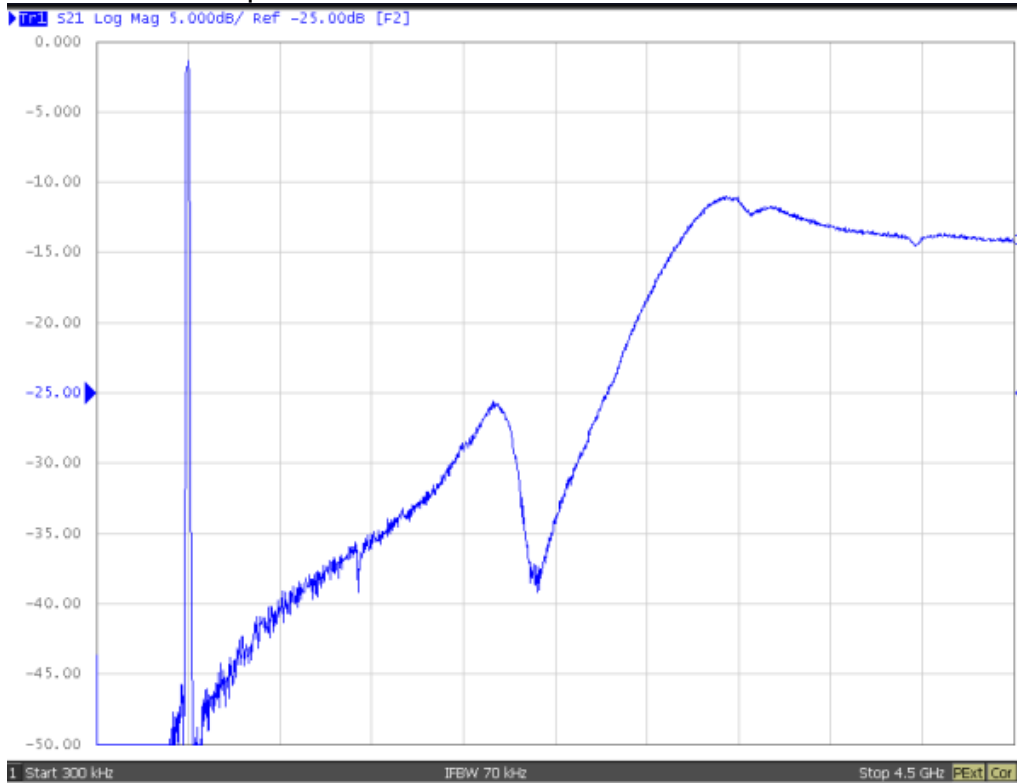
2. S21 Measurement: Span 40MHz



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3. S21 Measurement: Span 4.5GHz

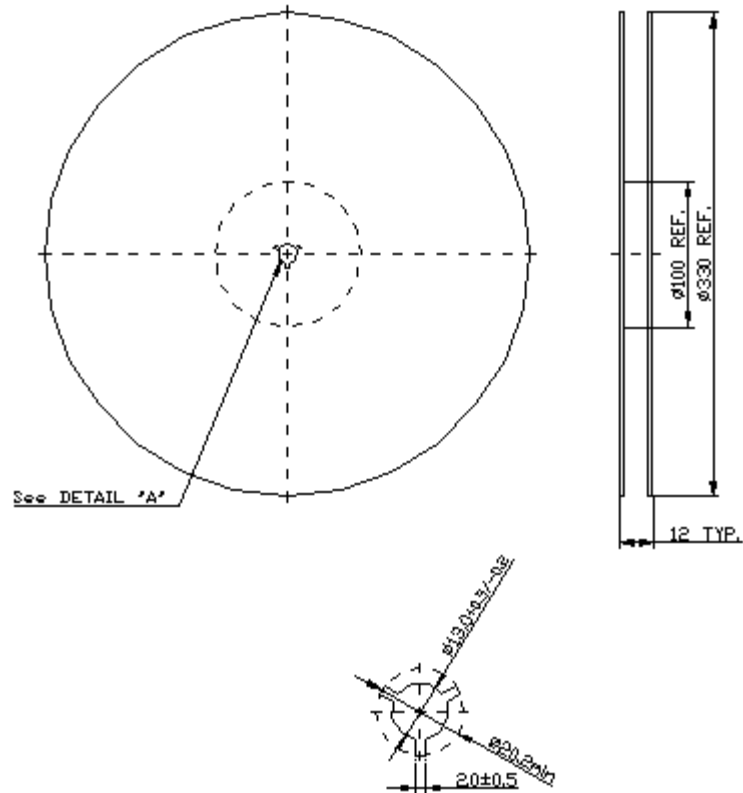


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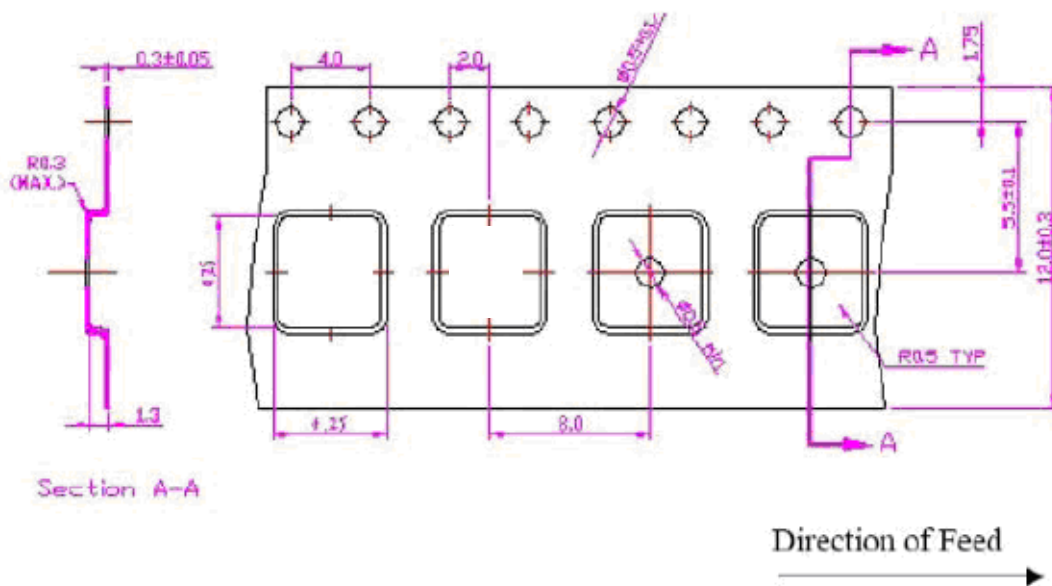
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G. PACKING:

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 ~ 40 sec).
4. Time: 2 times.

