

SAW Filter 70.0MHz
Part No: MP05683

Model: TB0941A
Rev No: 1

A. MAXIMUM RATING:

1. Operating Temperature: 0°C ~ +70°C
2. Storage Temperature: -40°C ~ +85°C
3. Input power: 10dBm

B. CHARACTERISTICS:

Ambient Temperature: 25°C

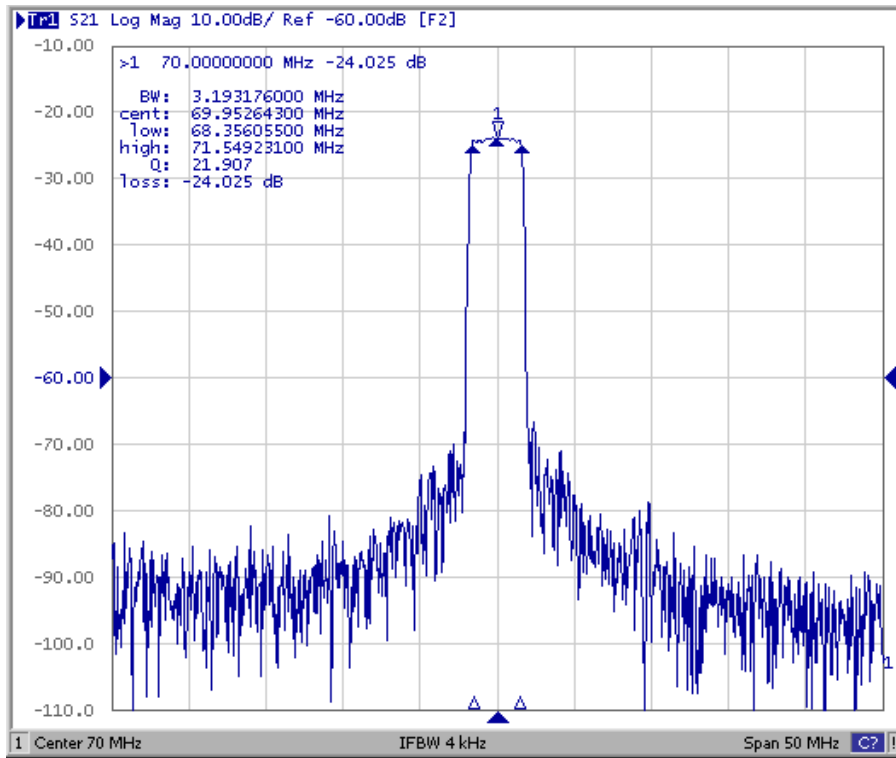
Characteristics	Min.	Typ.	Max.	Note
Center frequency Fc MHz	69.9	70	70.1	-
Minimum Insertion loss IL dB	-	24.0	28.0	-
1dB Bandwidth MHz	3.15	3.20	-	-
40dB Bandwidth MHz	-	3.96	4.00	-
45dB Bandwidth MHz	-	4.08	4.12	-
Passband Ripple (Fc ± 1.5MHz) dB	-	0.7	1.0	-
Ultimate Rejection dB	50	54		
Temp Coefficient ppm/K	-	-0.032	-	-
Matching: 1. The input of the filter will be matched to 50Ω 2. The output of the filter will be matched to 50Ω				

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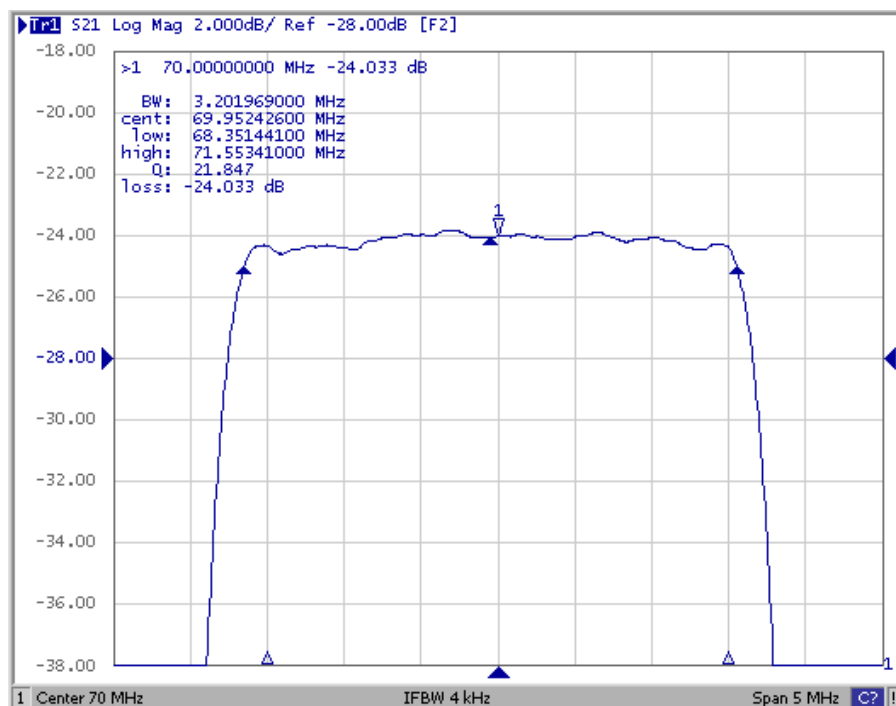
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C. FREQUENCY CHARACTERISTICS:

1. S21 Response: (span: 50MHz)



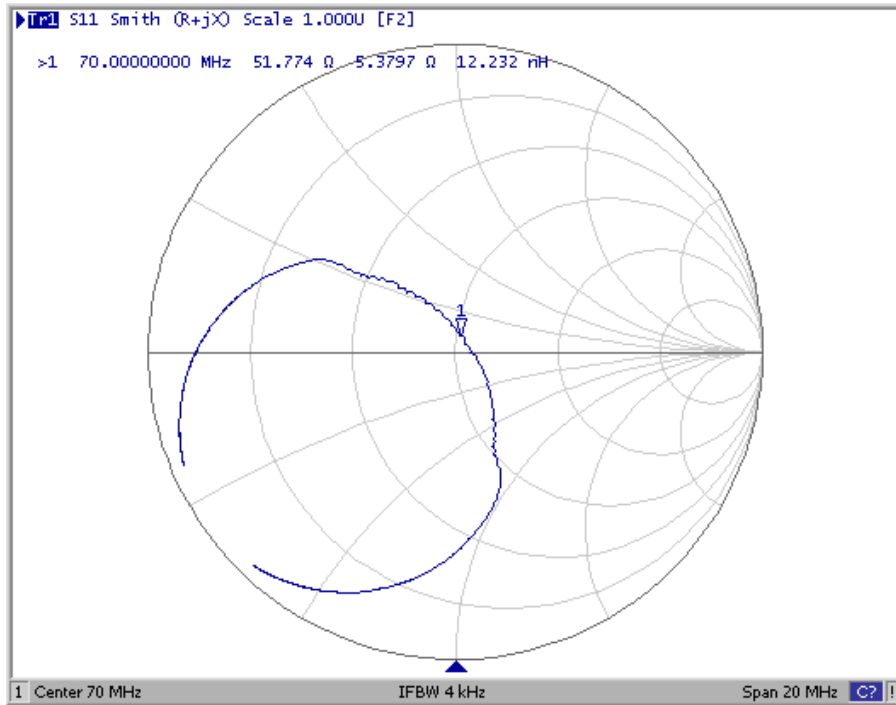
2. Passband Response: (span: 5MHz)



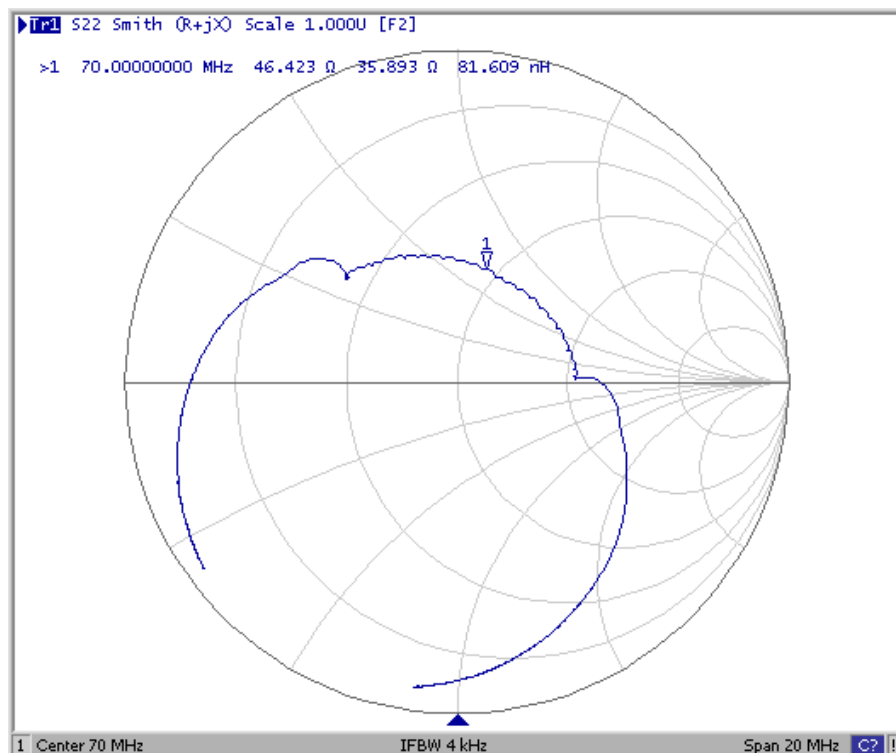
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3. S11 Smith Chart: (span: 20MHz)



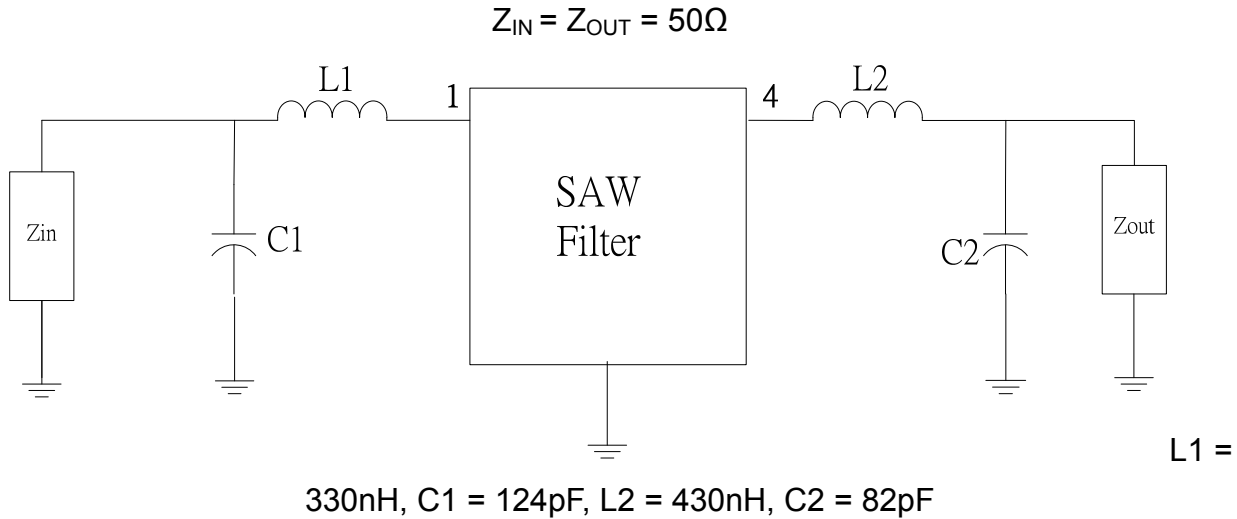
4. S22 Smith Chart (span: 20MHz)



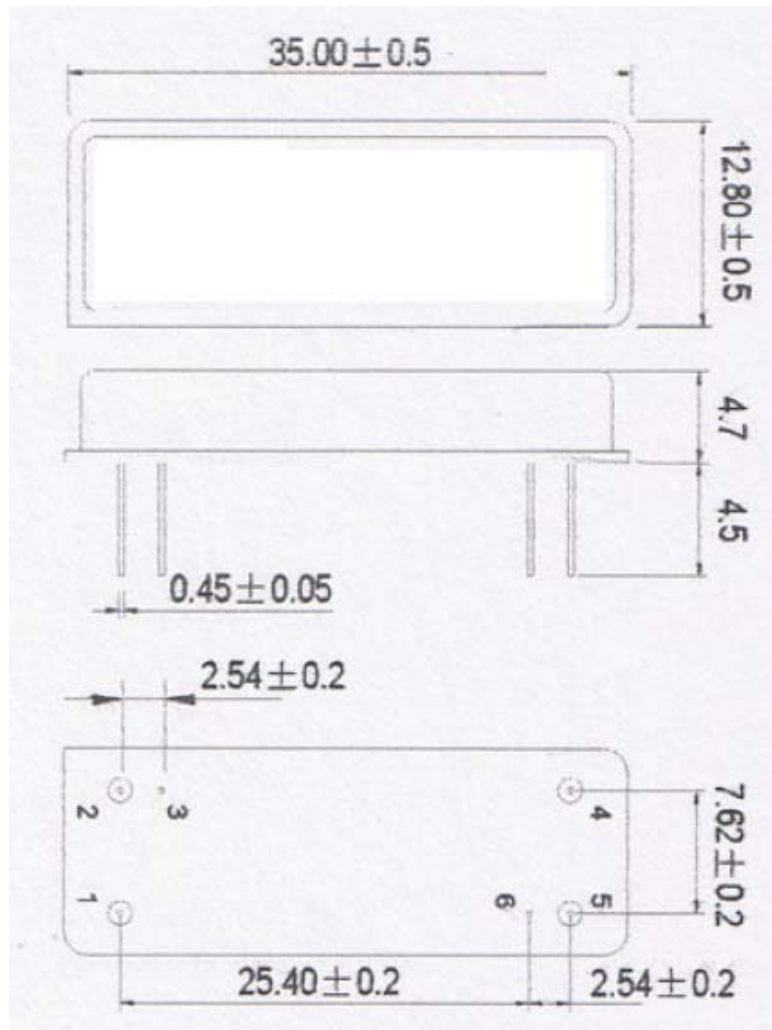
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D. MEASUREMENT CIRCUIT:



E. OUTLINE DRAWING:



- 1: RF input
 - 4: RF output
 - 3, 6: Case Ground
 - 2, 5: Ground
- Unit: mm

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F. RECOMMENDED REFLOW PROFILE:

