

SAW Filter 70.0MHz
Part No: MP05704

Model: TB1040A
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

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

B. CHARACTERISTICS:

Ambient Temperature: 25°C

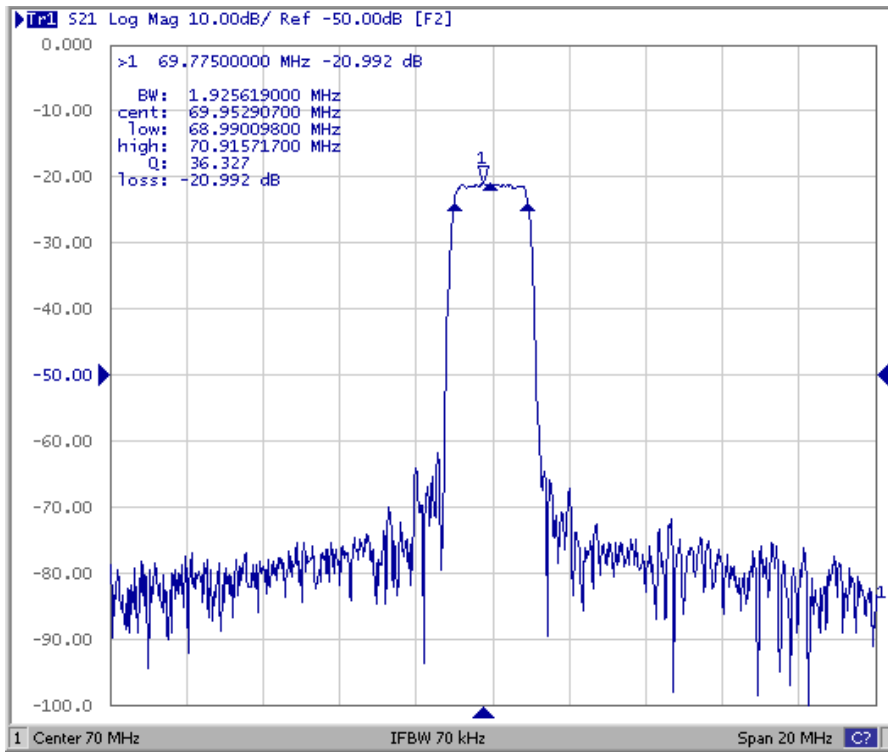
Characteristics	Min.	Typ.	Max.	Note
Center frequency Fc MHz	69.9	70	70.1	-
Minimum Insertion loss IL dB	-	21	24.0	-
1dB Bandwidth MHz	1.7	1.79	-	-
40dB Bandwidth MHz	-	2.48	2.5	-
45dB Bandwidth MHz	-	2.55	-	-
Passband Ripple (Fc ± 0.5MHz) dB	-	0.6	1.0	-
Absolute Delay		5.1		
Ultimate Rejection dB	45	48		
Temp Coefficient ppm/K	-	-0.032	-	-
Matching: <ol style="list-style-type: none">1. The input of the filter will be matched to 50ohm2. The output of the filter will be matched to 50ohm				

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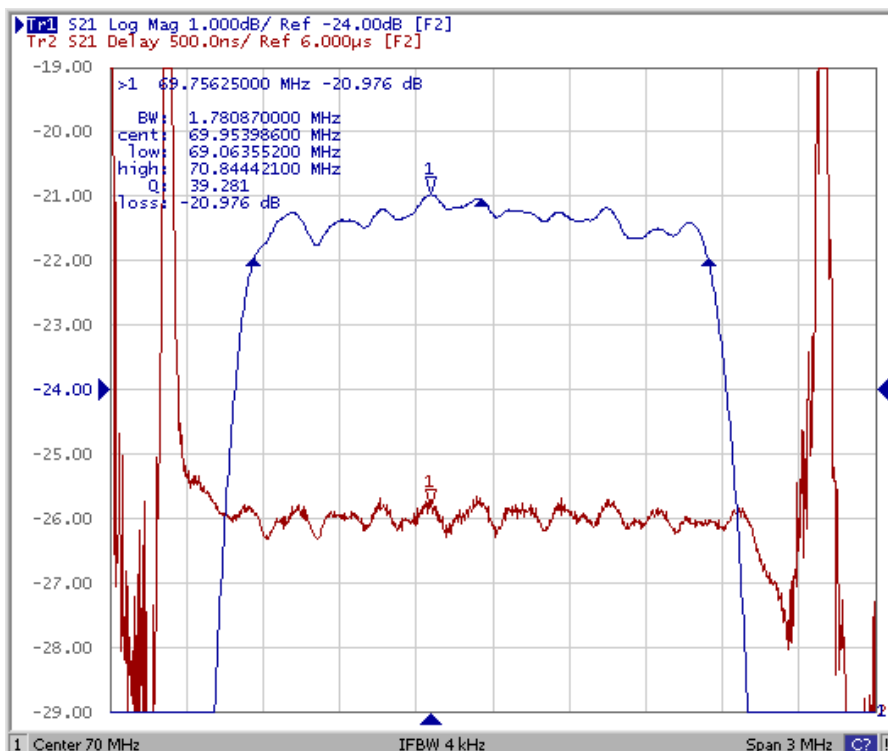
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C. FREQUENCY CHARACTERISTICS:

1. S21 Response: (span: 20MHz)



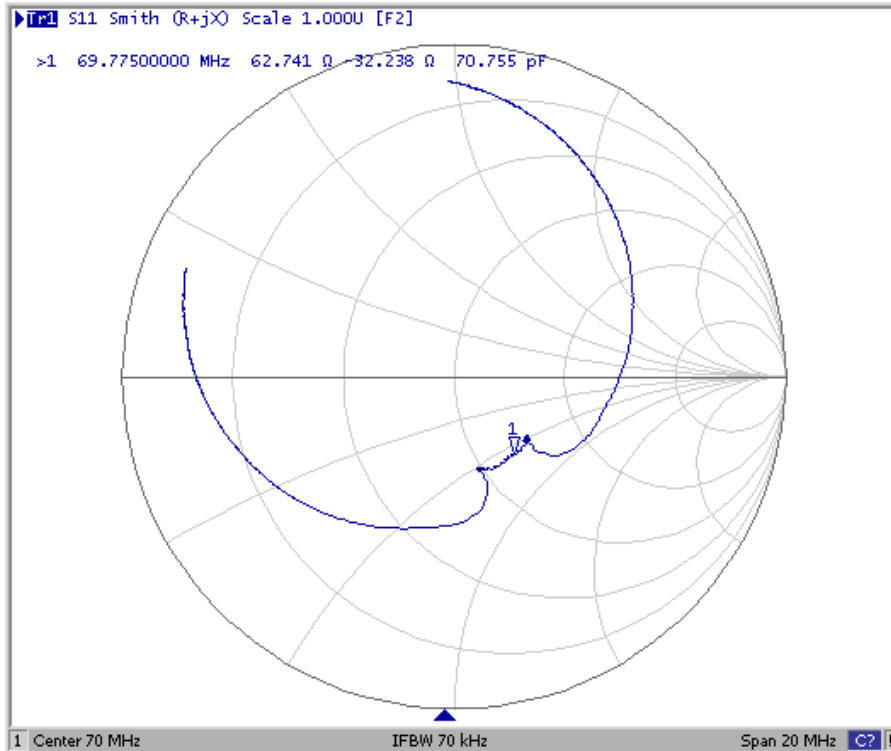
2. Pass-band Response: (span: 3MHz)



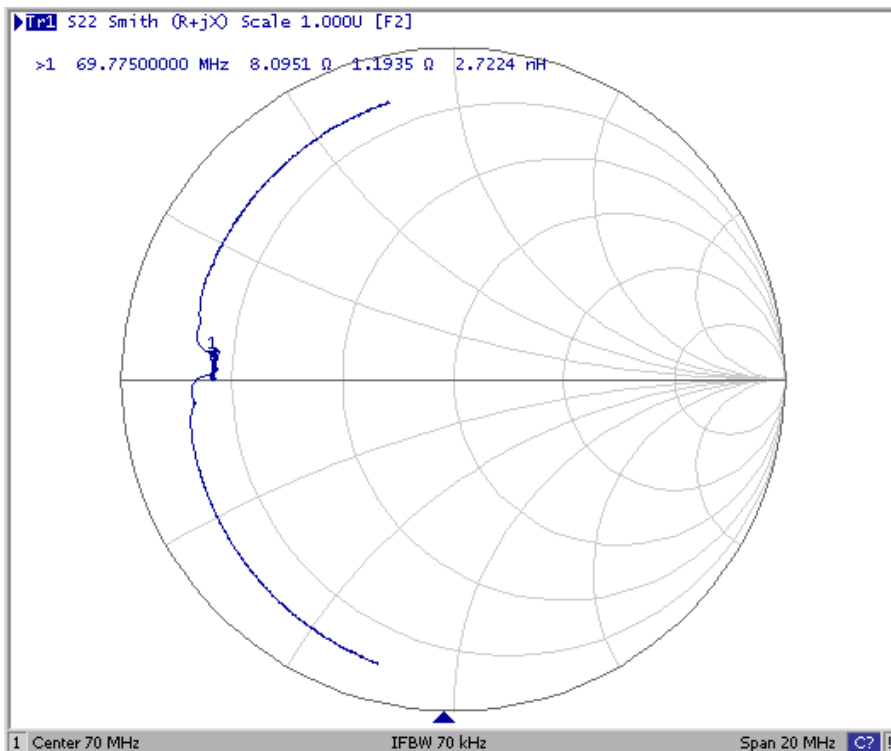
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3. S11 Smith Chart: (span: 20MHz)



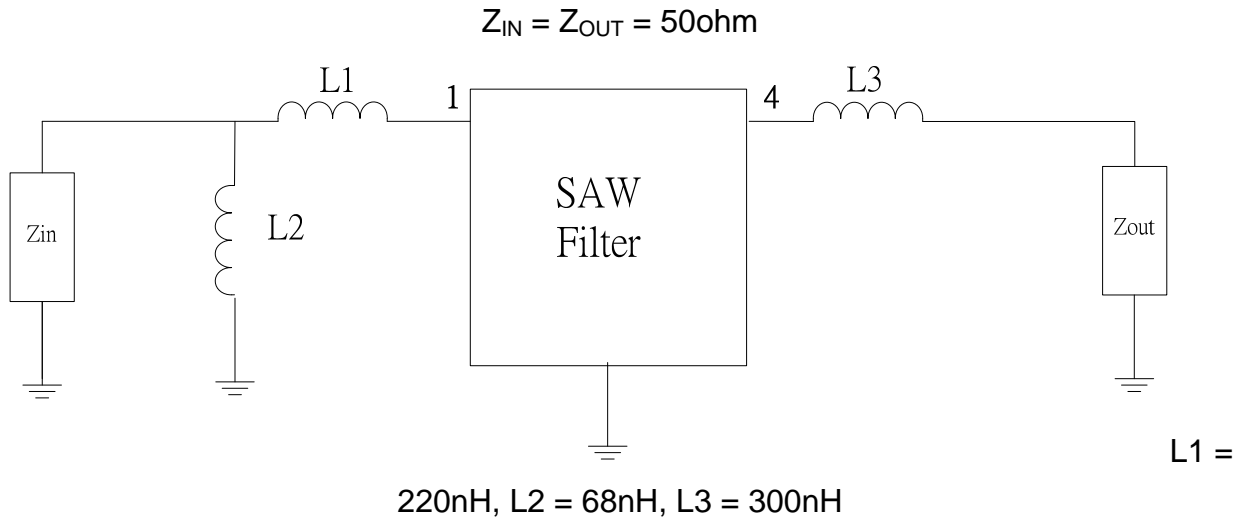
4. S22 Smith Chart (span: 20MHz)



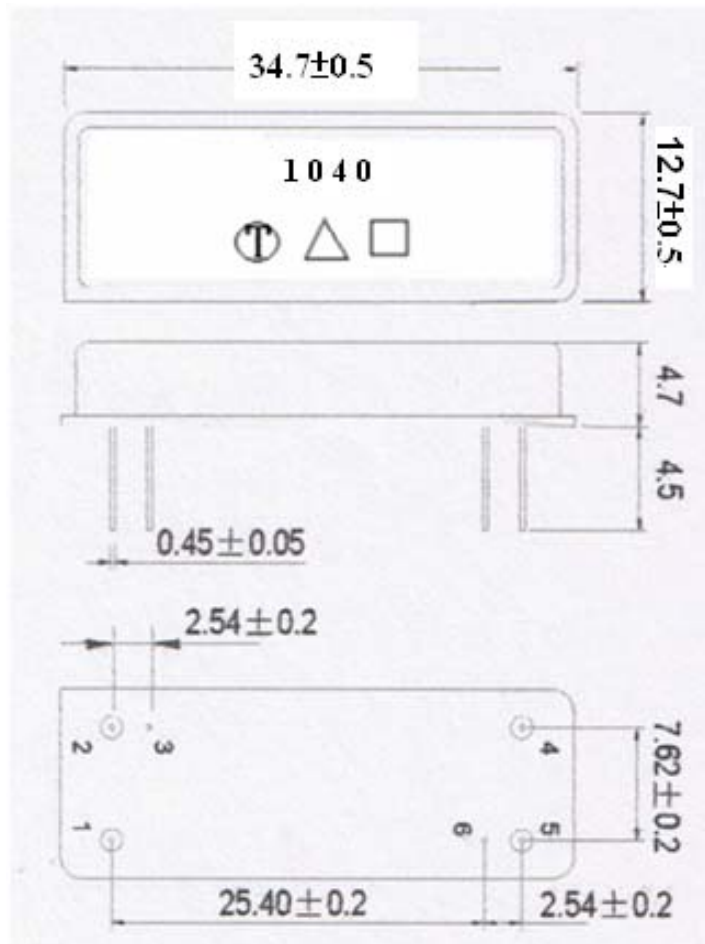
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D. MEASUREMENT CIRCUIT:



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:

