

SAW Filter 70.0MHz

Model: TB1044A

Part No: MP05012

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

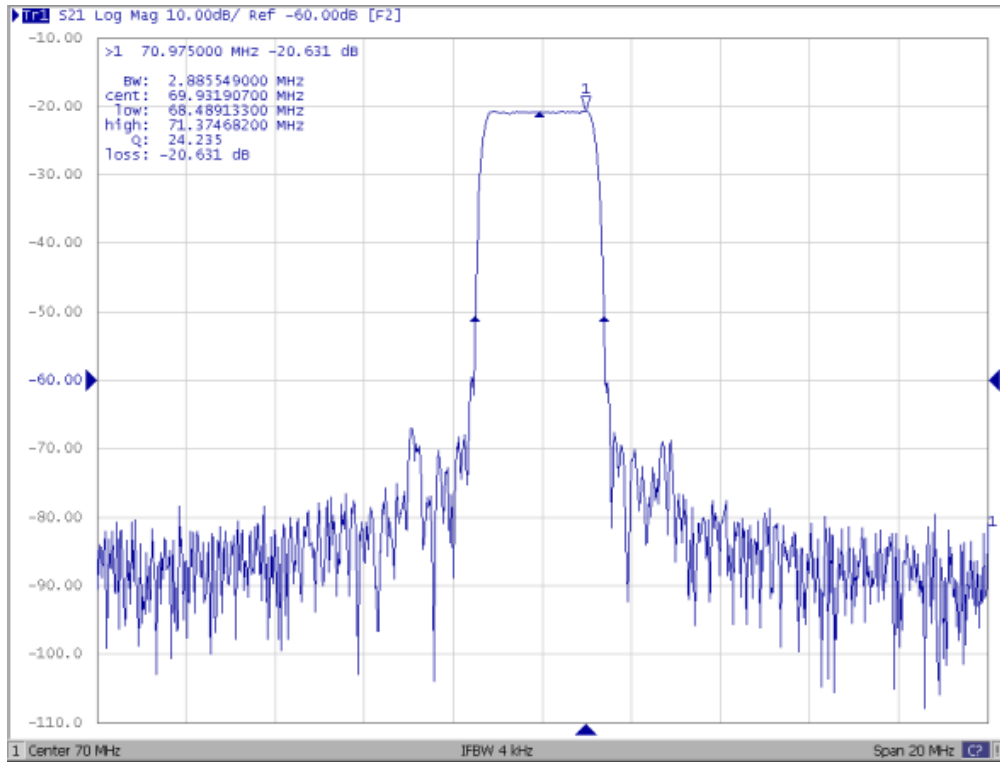
Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency Fc MHz	69.9	70.0	70.1	-
Minimum Insertion loss IL dB	-	20.6	22	-
1dB BW MHz	2.25	2.32	-	
30dB BW MHz	-	2.88	3.0	
Attenuation (Reference to Max IL)				
Fc -5MHz, Fc +5MHz dB	35	53	-	-
Fc -50MHz ~ Fc -5MHz dB	40	43	-	-
Fc +5MHz ~ Fc +50MHz dB	40	56	-	-
Temp Coefficient ppm/K	-	-0.032	-	-
Matching: 1. The input of the filter will be matched to 50ohm 2. The output of the filter will be matched to 50ohm				

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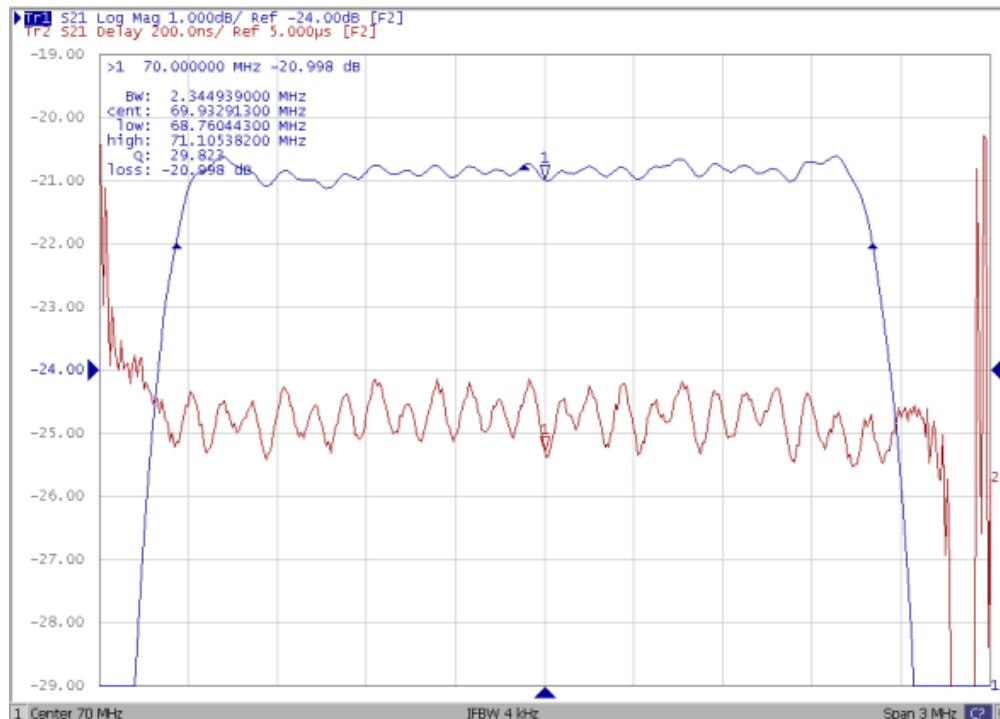
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C. FREQUENCY CHARACTERISTICS:

1. S21 Response: (span: 20MHz)



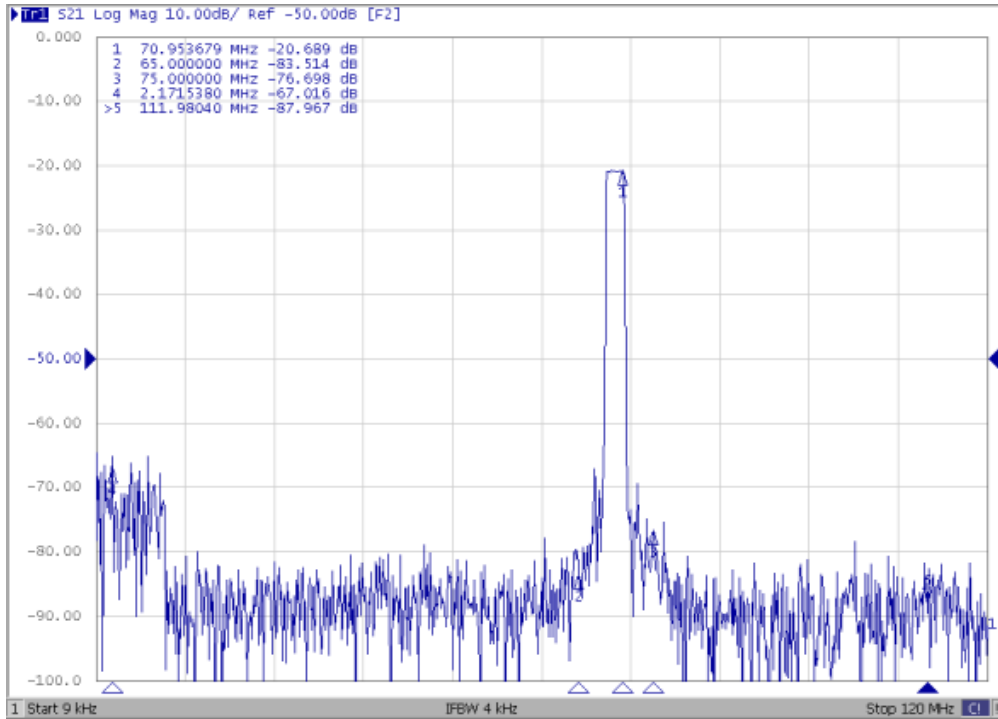
2. Pass-band Response: (span: 3MHz)



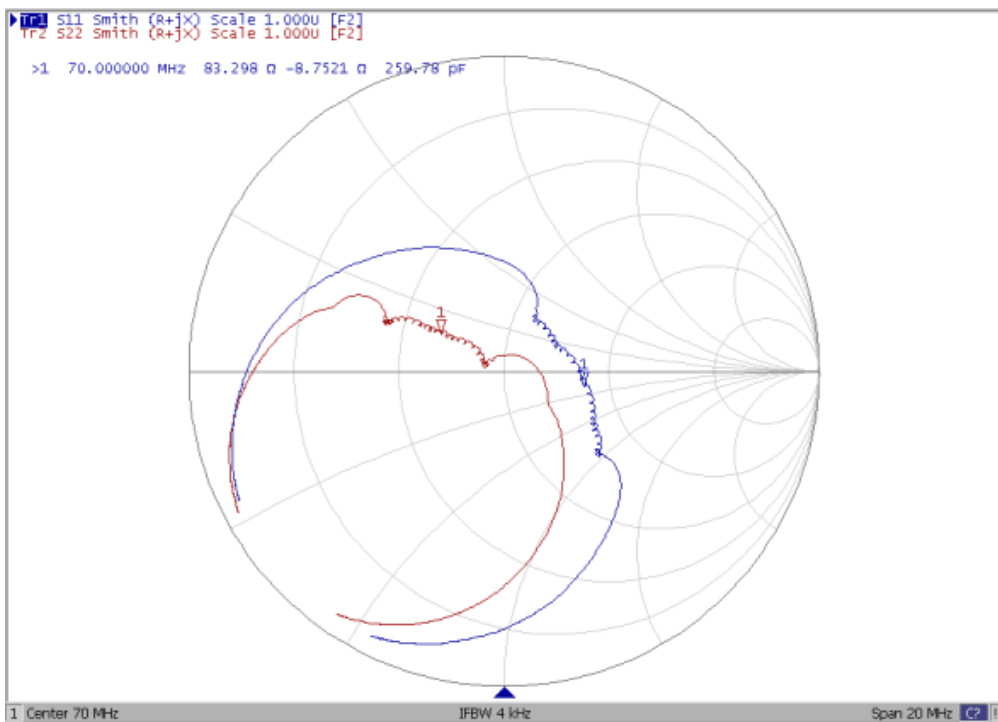
SAW Filter 70.0MHz
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3. S21 Response: (span: 120MHz)



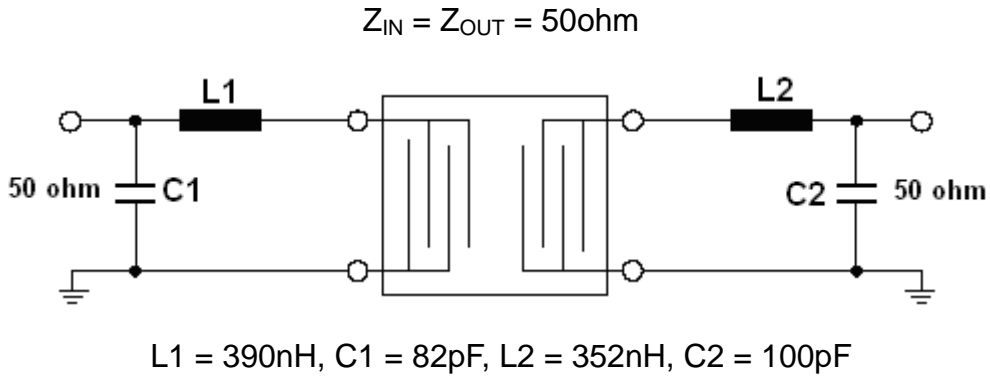
4. S11 S22 Smith Chart (span: 20MHz)



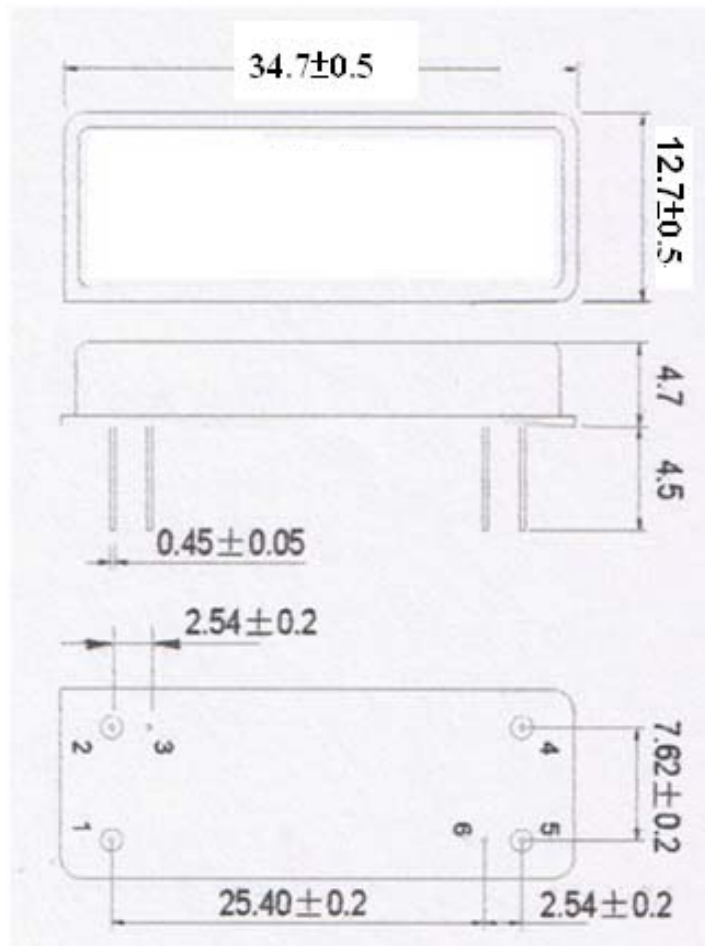
SAW Filter 70.0MHz
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D. MEASUREMENT CIRCUIT:



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:

