

SAW Filter 56.0MHz

Model: TB0752A

Part No: **MP02659**

REV. NO.: 1

A. MAXIMUM RATING:

1. Operating Temperature: -20 °C ~ +80 °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 F_c MHz	-	56.0	-	-
Minimum Insertion loss I.L. 49.5MHz ~ 62.5MHz dB	-	13.0	15.0	-
Passband Ripple 49.5MHz ~ 62.5MHz dB	-	1.0	1.5	-
Attenuation 10MHz ~ 45MHz dB	40	46	-	-
70MHz ~ 200MHz dB	40	43	-	-
Substrate Material	YZ-LiNbO3			-
Temp Coefficient ppm/K	-	-94	-	-
Matching:				
1.The input of the filter will be matched to <u>50 ohm</u>				
2.The output of the filter will be matched to <u>50 ohm</u>				

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D. FREQUENCY CHARACTERISTICS:

1.S21 Response: (span : 100MHz)

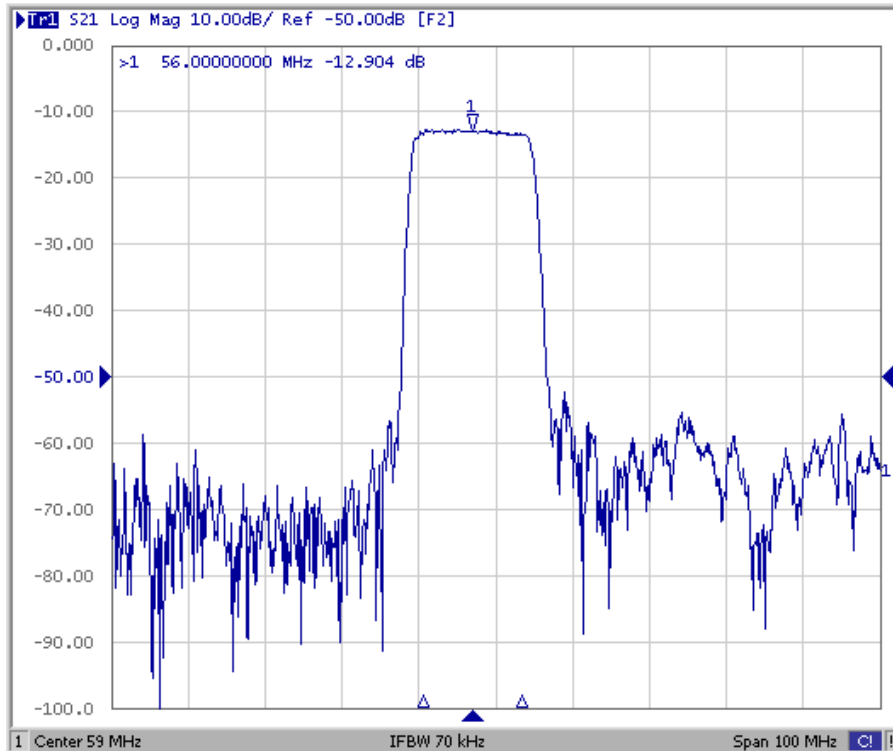


Fig1. Horizontal:10MHz/Div Vertical: 10dB/Div

2. Group-Delay Ripple: (span : 20MHz)

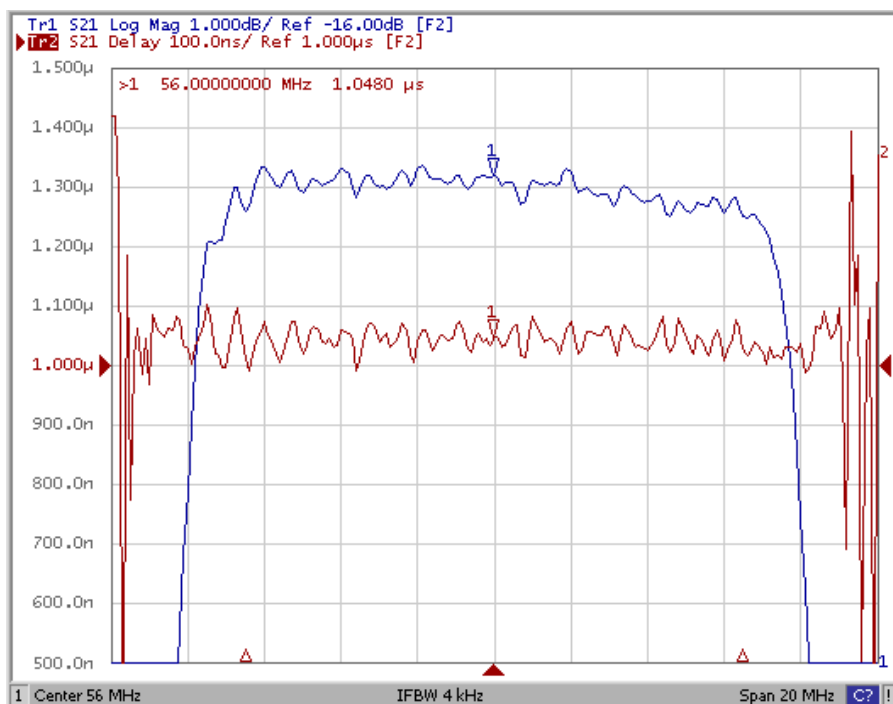
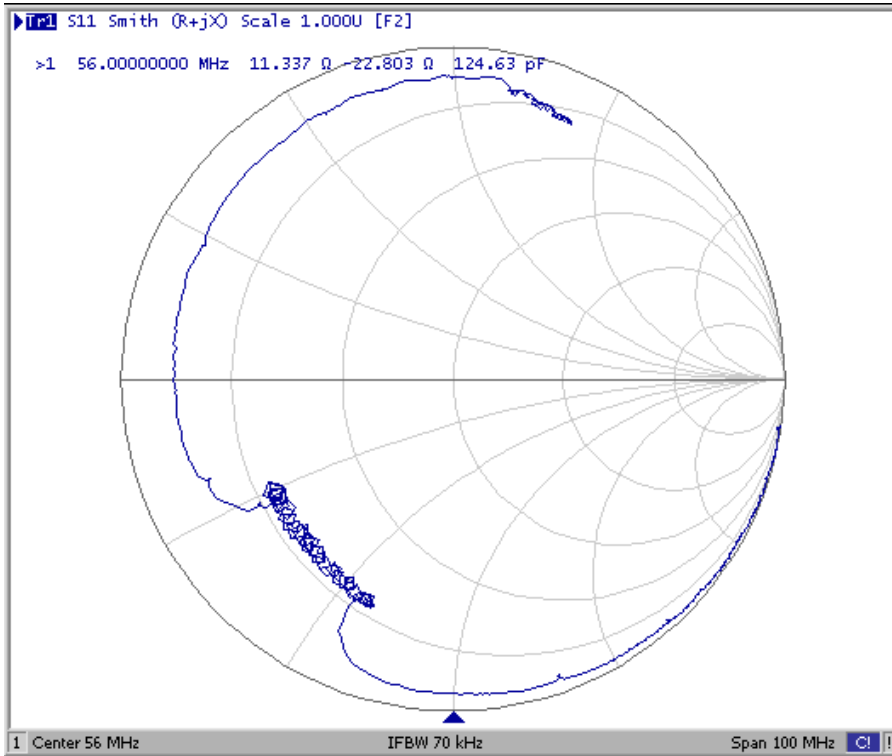


Fig2. Horizontal: 2.0MHz/Div Vertical: 100nec/Div

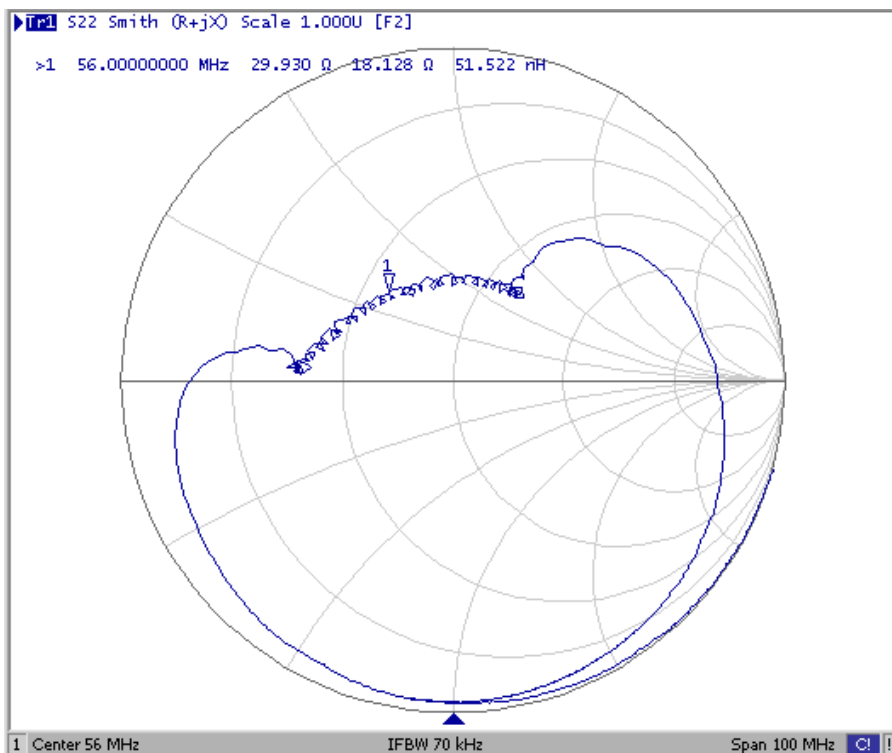
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3. S11 Smith Chart: (span : 100MHz)



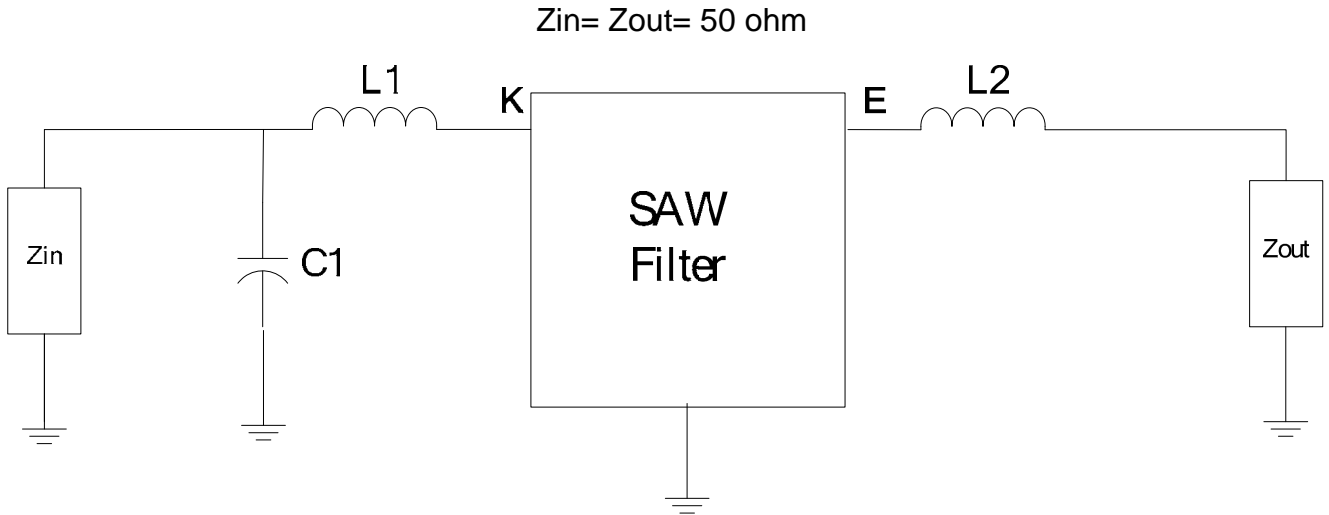
4. S22 Smith Chart (span : 100MHz)



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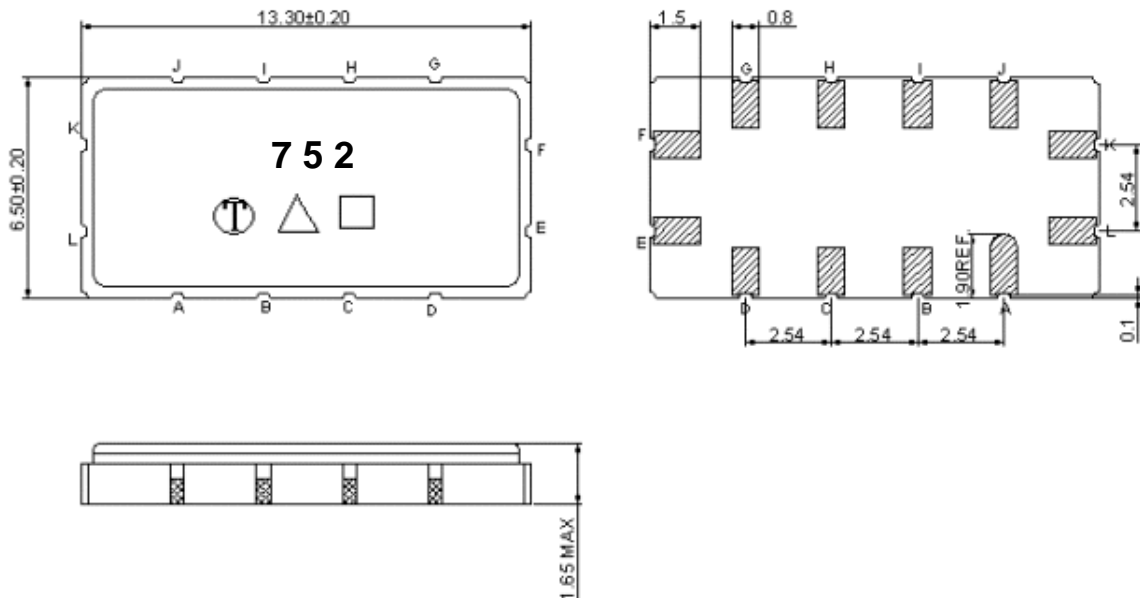
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E. MEASUREMENT CIRCUIT:



$L1=300\text{nH}, C1=39\text{pF}, L2=150\text{nH}.$

F. OUTLINE DRAWING:



- Pin K: RF input
- Pin E: RF output
- Pin A, B, C, D, G, H, I, L, F J: To be Ground

Unit : mm

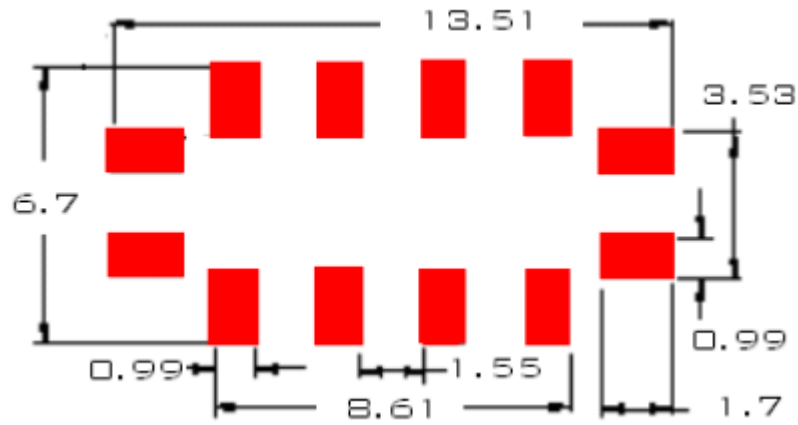
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G. PCB FOOTPRINT:



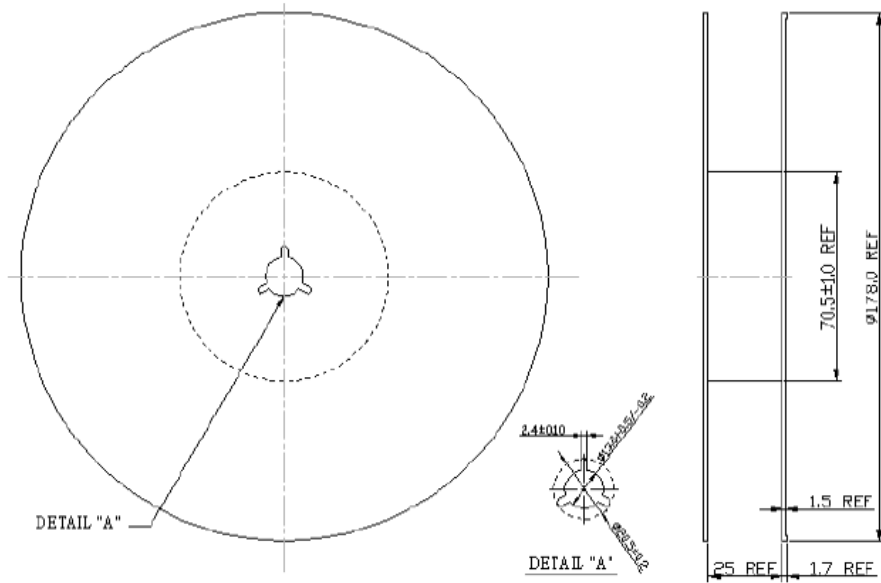
Unit: mm

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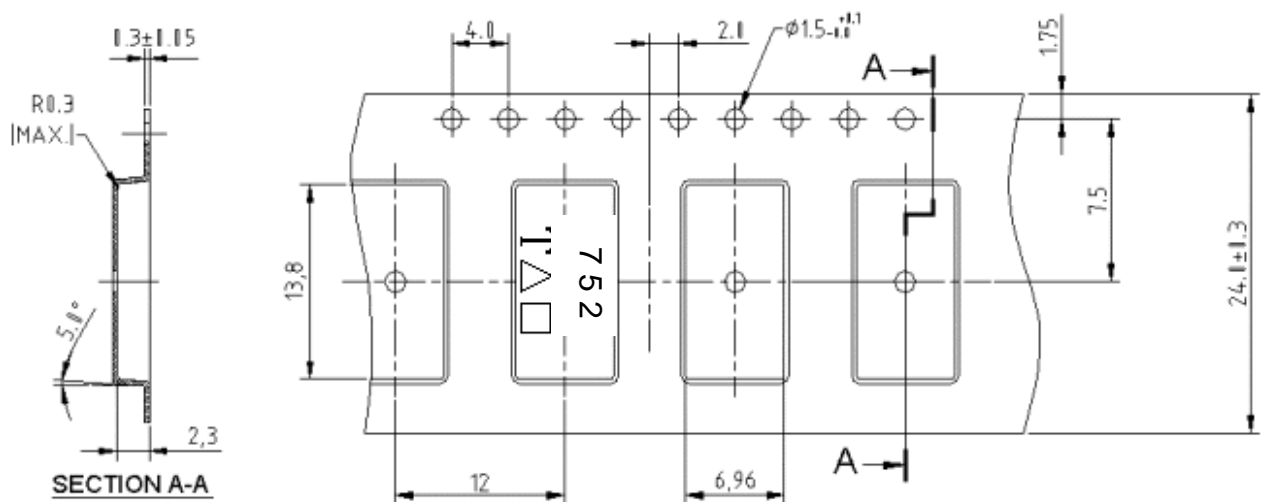
H. PACKING:

1. REEL DIMENSION



Unit: mm

2. TAPE DIMENSION



Unit: mm

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I. RECOMMENDED REFLOW PROFILE:

