
SAW Filter 60.0MHz

Model: TB0636A

Part No: MP03407

Rev No: 1

A. MAXIMUM RATING:

1. Operating Temperature: -40°C to +85°C
2. Storage Temperature: -40°C to +85°C
3. Input Power Level: 10dBm
4. Maximum DC Voltage: 10V

B. ELECTRICAL CHARACTERISTICS:

Ambient Temperature: 25°C

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	60.0	-
Insertion Loss IL	dB	-	15.0	18.5
1dB Bandwidth	MHz	20.0	21.7	-
3dB Bandwidth	MHz	-	22.5	-
25dB Bandwidth	MHz		25.5	30.0
40dB Bandwidth	MHz		26.8	31.0
Pass band Ripple Fc ± 10.0MHz	P-P dB	-	0.6	1.2
VSWR Fc ± 10.0MHz	P-P dB		6.5	7.0
Group delay Variation Fc ± 10MHz	P-P nsec		30	100
Triple Transit Suppression	dB	40	43	
Power Handling	dBm	10		
Temp Coefficient	ppm/K	-	-23	-

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C. FREQUENCY CHARACTERISTICS:

1. S21 Response: (span: 70MHz)

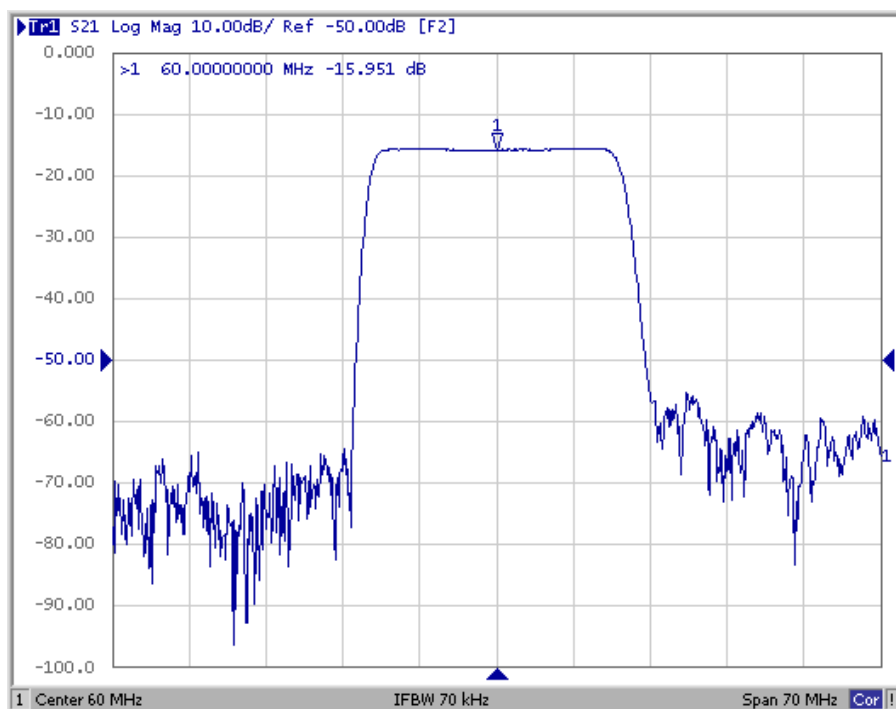


Fig. 1. Horizontal: 7MHz/Div, Vertical: 10dB/Div

2. Group-Delay Ripple: (span: 30MHz)

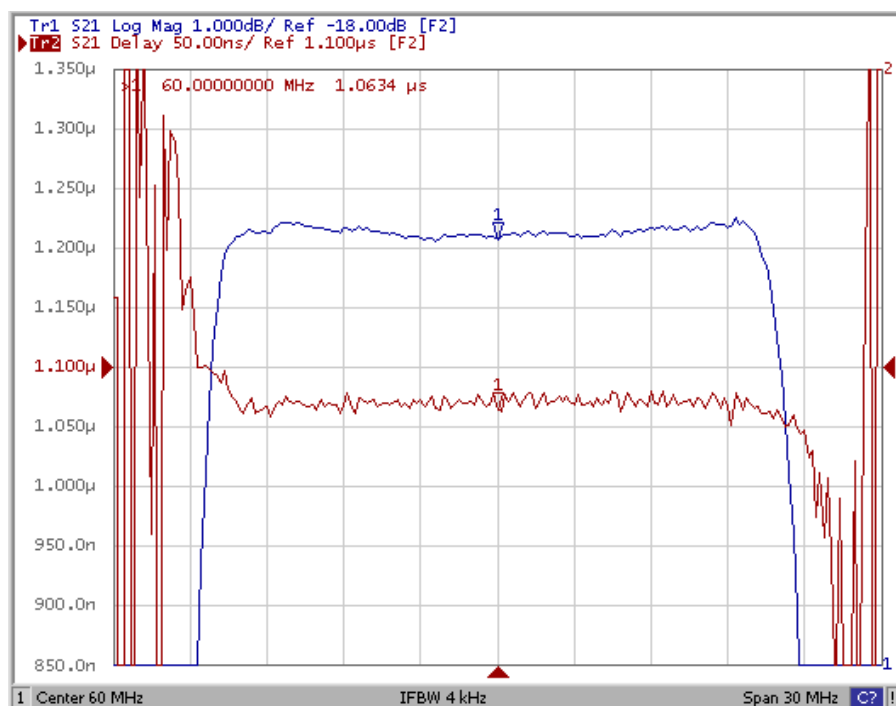
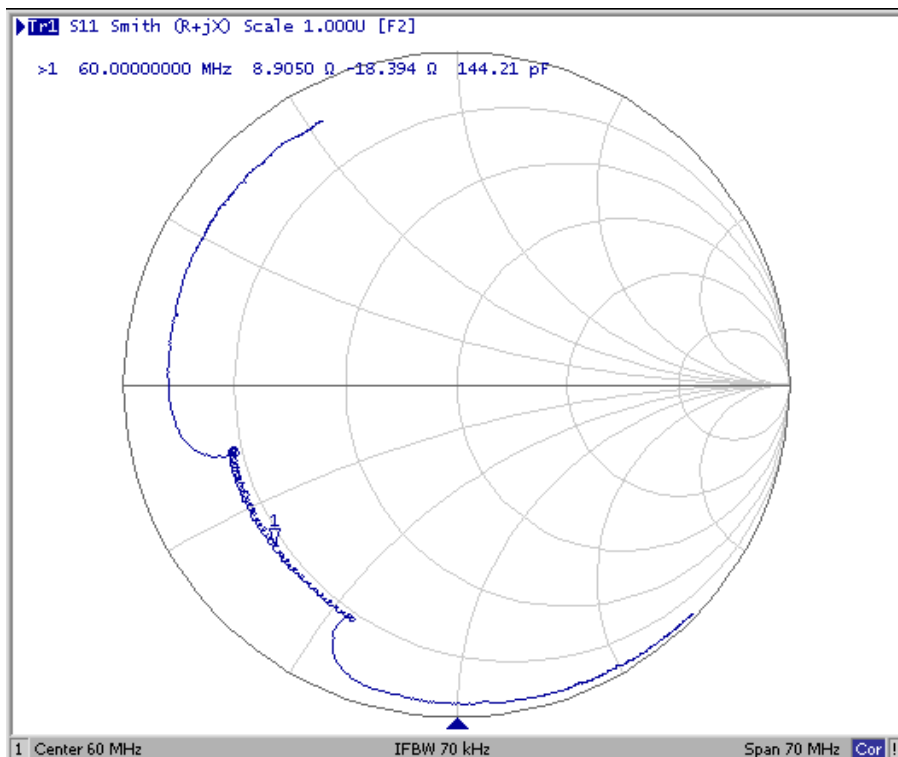


Fig. 2. Horizontal: 3.0MHz/Div, Vertical: 50nec/Div

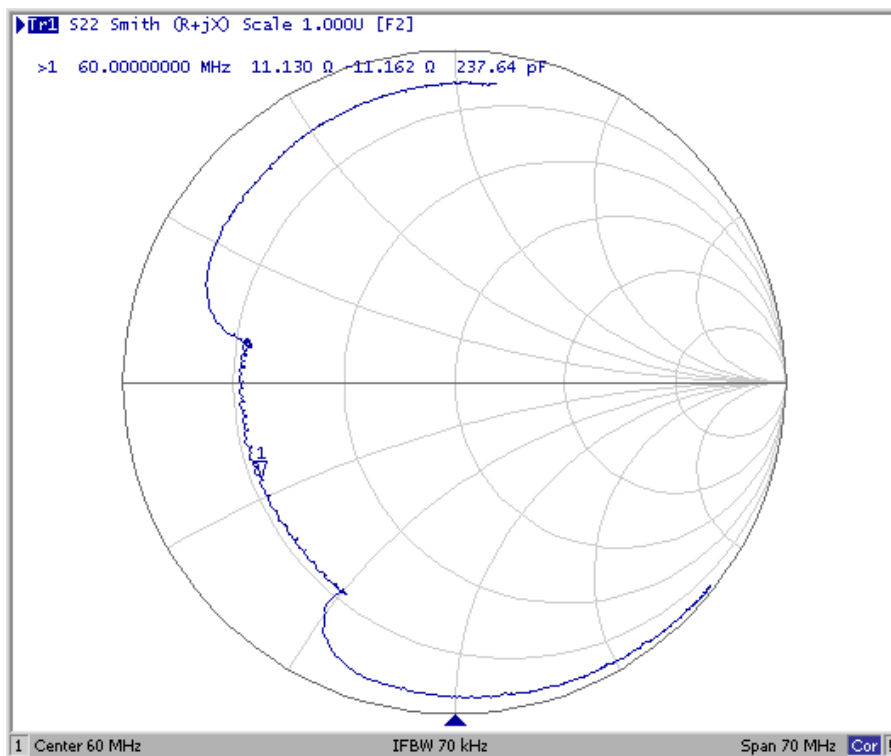
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3. S11 Smith Chart: (span: 70MHz)



4. S22 Smith Chart (span: 70MHz)



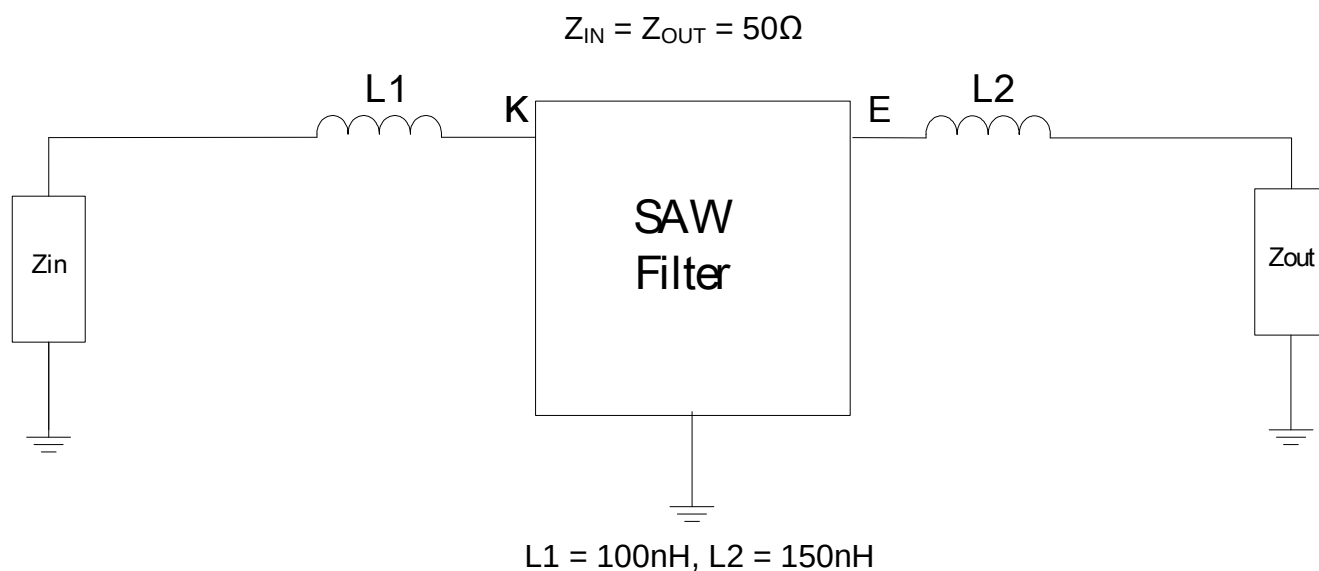
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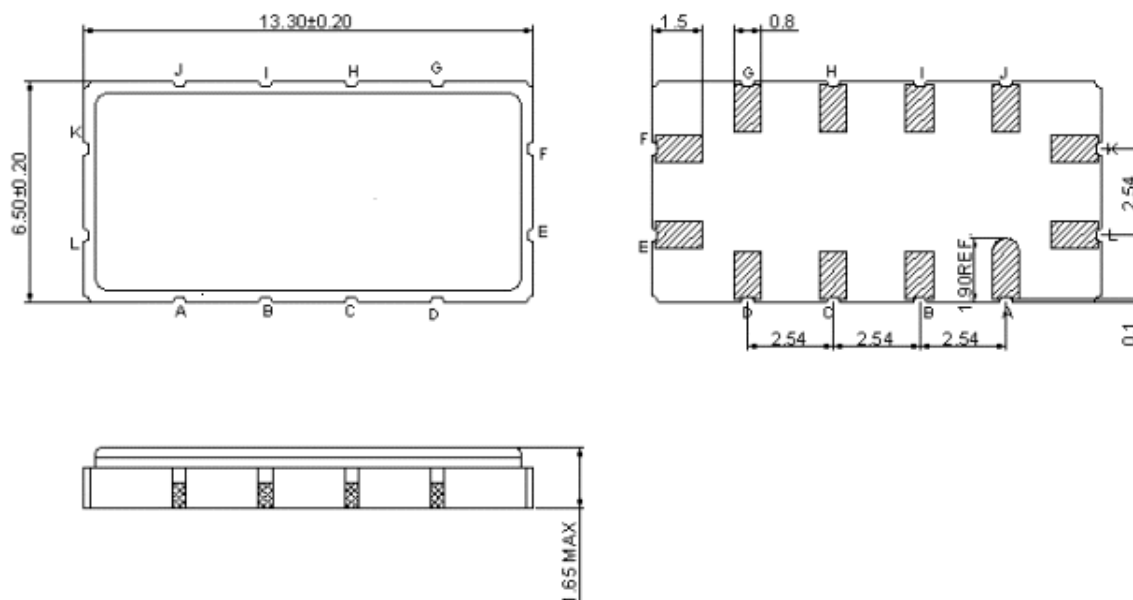
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D. MEASUREMENT CIRCUIT:



E. OUTLINE DRAWING:



K: RF input

E: RF output

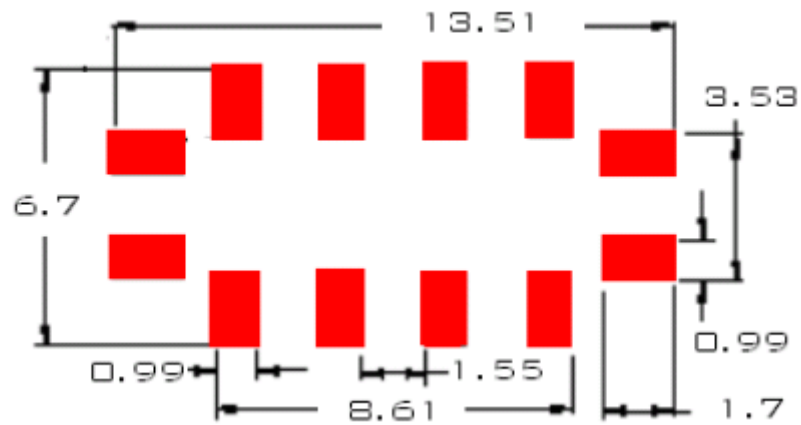
A, B, C, D, G, H, I, L, F J: To be Ground

Unit: mm

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F. PCB FOOTPRINT:



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H. RECOMMENDED REFLOW PROFILE:

