

SAW Filter 360.0MHz
Part No: MP03637

Model: TB0655A
Rev No: 1

A. MAXIMUM RATING:

1. Operating Temperature: -5°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

Characteristics	Value		
	Min.	Typ.	Max.
Center frequency Fc MHz	-	360.0	-
Maximum Insertion loss IL dB	-	11.5	13.0
1dB Bandwidth MHz	21	24.1	-
Passband Ripple in Fc ± 10.5MHz dB	-	0.2	0.7
Group Delay Ripple in Fc ± 10.5MHz nS	-	13	30
Group Delay Slope		5	
Temp Coefficient ppm/°C		-18	
Attenuation: (Reference level from minimum insertion loss)			
319 ~ 336MHz dB	40	48	-
336 ~ 342MHz dB	40	45	-
374.8 ~ 379MHz dB	-	9	-
379 ~ 401MHz dB	40	44	-
Note: Group Delay compensate with 359MHz Filter			

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C. FREQUENCY CHARACTERISTICS:

1. S21 Response: (span: 250MHz)

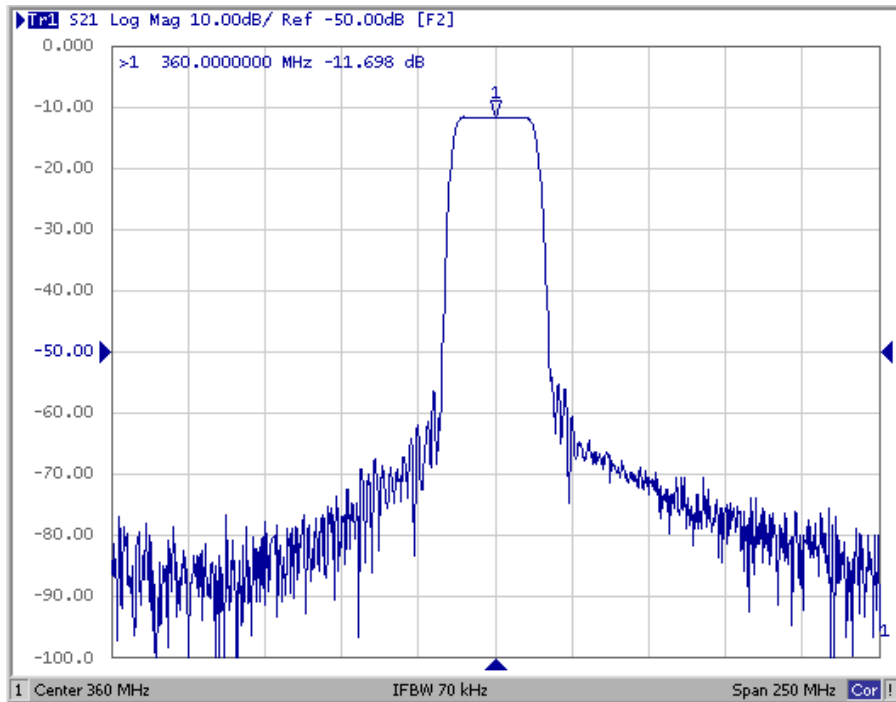


Fig. 1. Horizontal: 25MHz/Div, Vertical: 10dB/Div

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

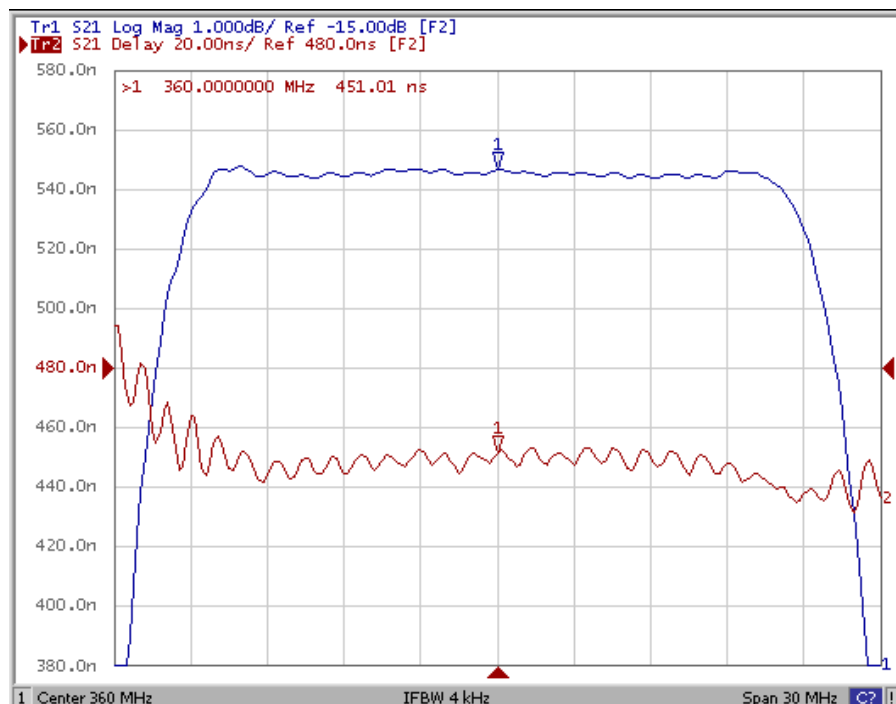
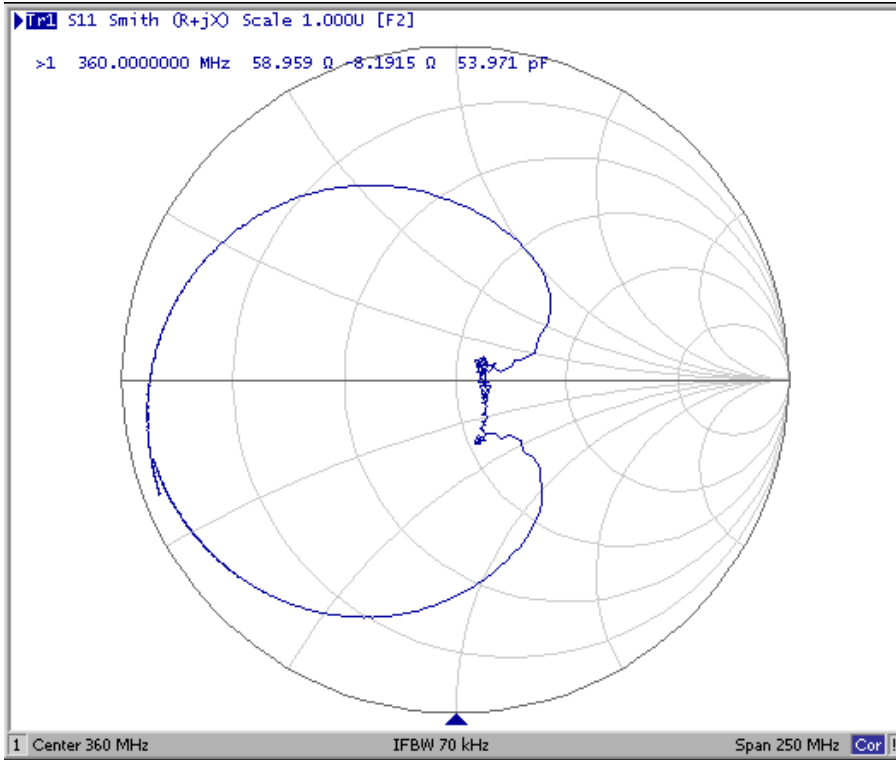


Fig. 2. Horizontal: 3.0MHz/Div, Vertical: 20nec/Div

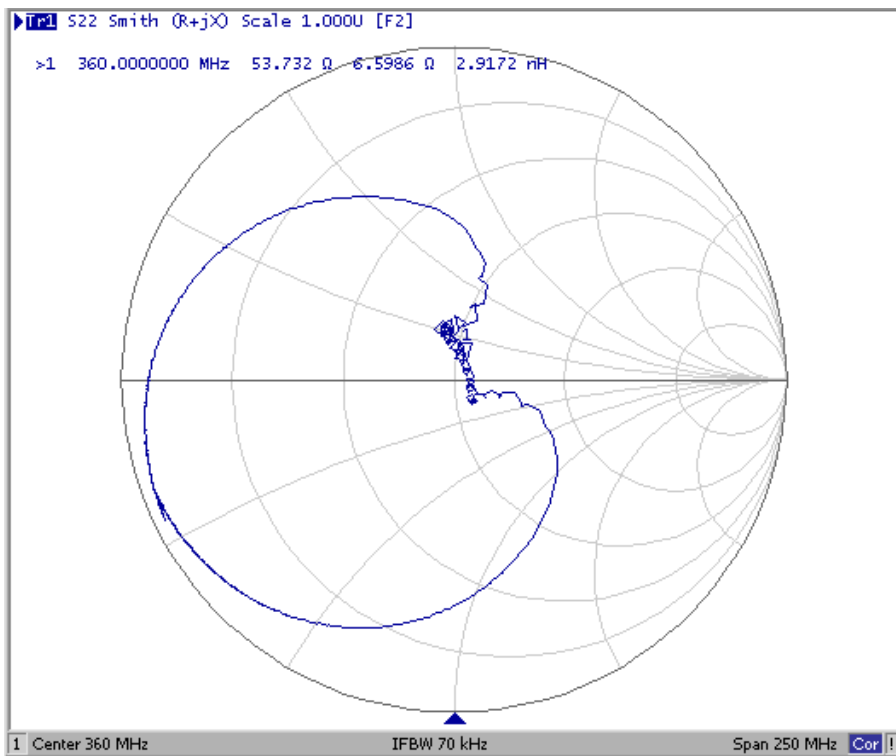
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3. S11 Smith Chart: (span: 150MHz)



4. S22 Smith Chart (span: 150MHz)

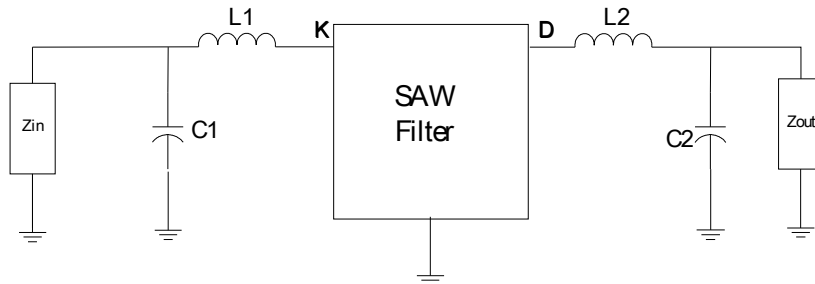


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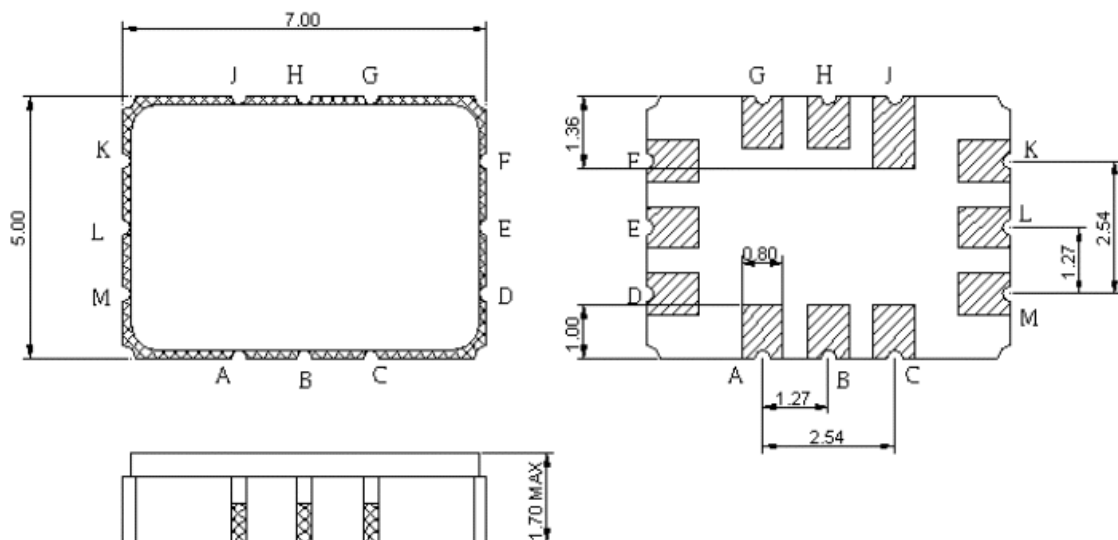
D. MEASUREMENT CIRCUIT:

$$Z_{IN} = Z_{OUT} = 50\Omega$$



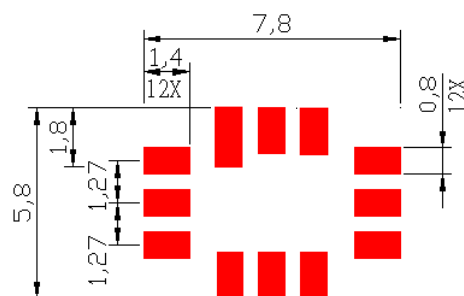
Input: L1 = 27nH; C1 = 18pF, Output: L2 = 22nH; C2 = 18pF

E. OUTLINE DRAWING:



- K: RF input
 - D: RF output
 - A, B, C, D, E, F, G, H, J: To be Ground
- Unit: mm

F. PCB FOOTPRINT:

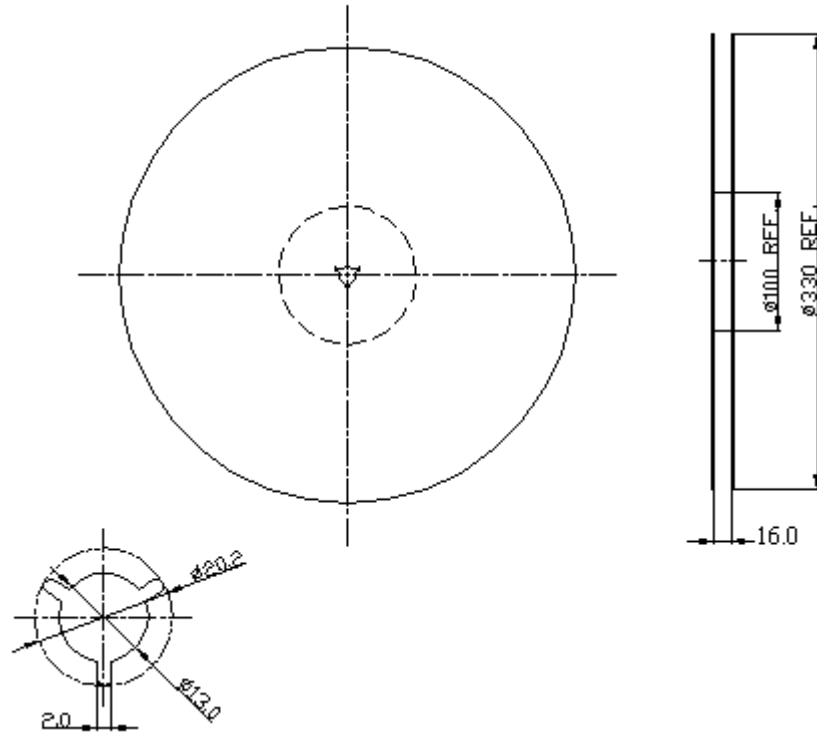


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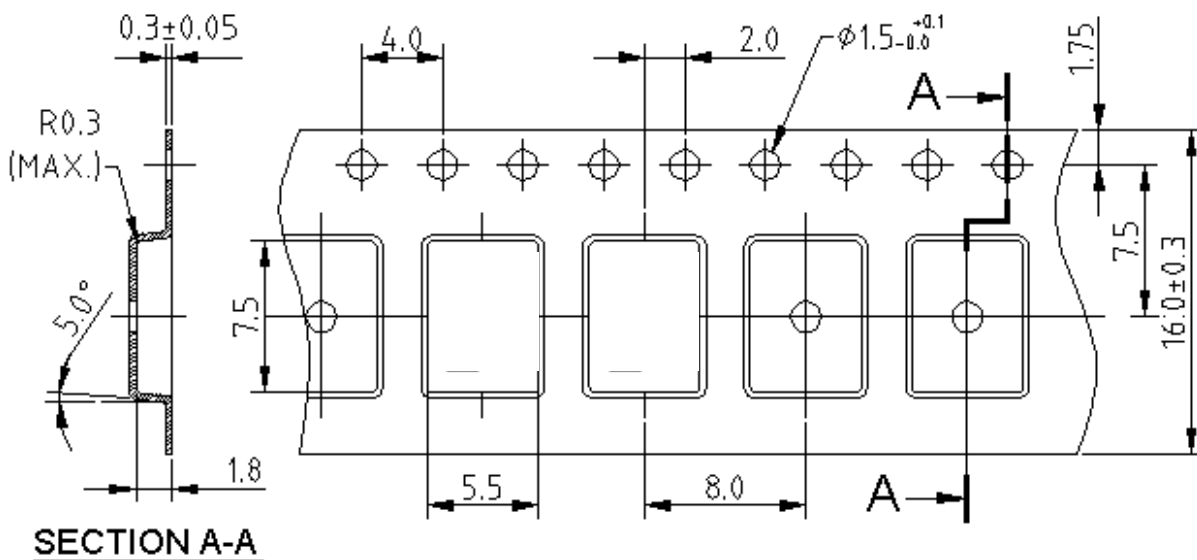
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G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



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H. RECOMMENDED REFLOW PROFILE:

