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Eaglewood Park, ILMINSTER
Somerset, TA19 9DQ, UK

SAW Filter 350.0MHz — Model: TB0672A
Part No: MP03634 — Rev No: 1

A. MAXIMUM RATINGS:

1. Input Power Level: 10dBm
2. Operating Temperature: -40℃ ~ 85℃
3. Storage Temperature: -40℃ to 85℃

B. ELECTRICAL CHARACTERISTICS:

Ambient Temperature: 25℃

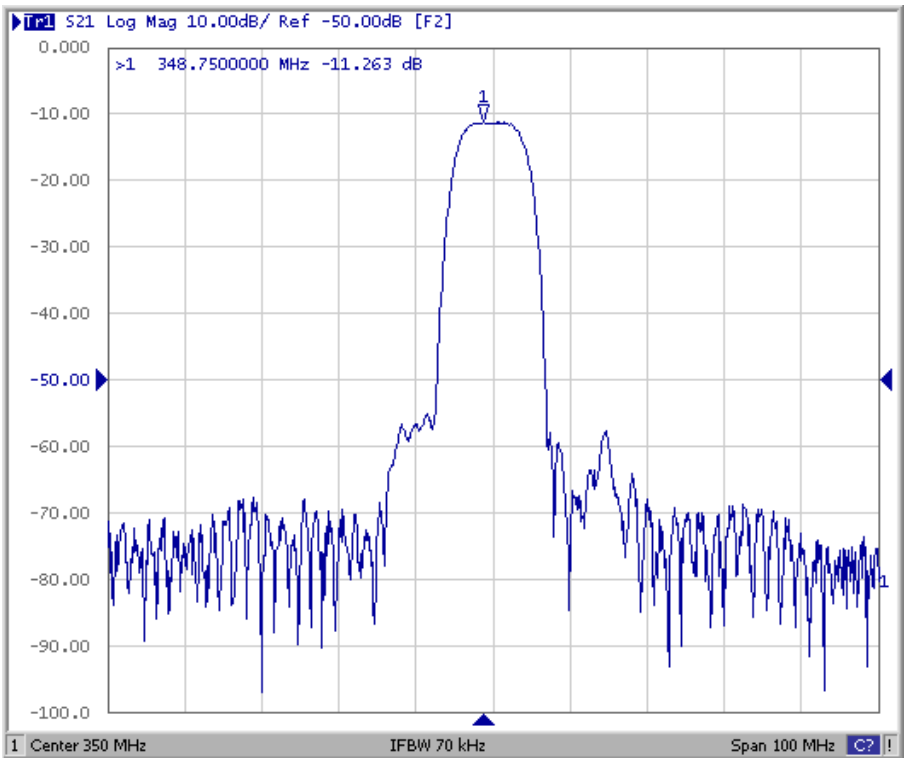
Characteristics	Min.	Typ.	Max.
Center frequency Fc MHz	-	350.0	-
Maximum Insertion loss IL dB	-	11.2	12.5
1dB Bandwidth MHz	5	6.5	-
3dB Bandwidth MHz	-	7.9	-
35dB Bandwidth MHz	-	14.0	16.0
Passband Ripple in Fc ± 2.5MHz dB	-	0.4	1.0
S11 Return Loss Fc ± 2.5MHz dB	-	9.0	-
Temp Coefficient ppm/℃		-18	
Attenuation: (Reference level from minimum insertion loss)			
245 ~ 320MHz dB	40	56	-
370 ~ 445MHz dB	40	56	-

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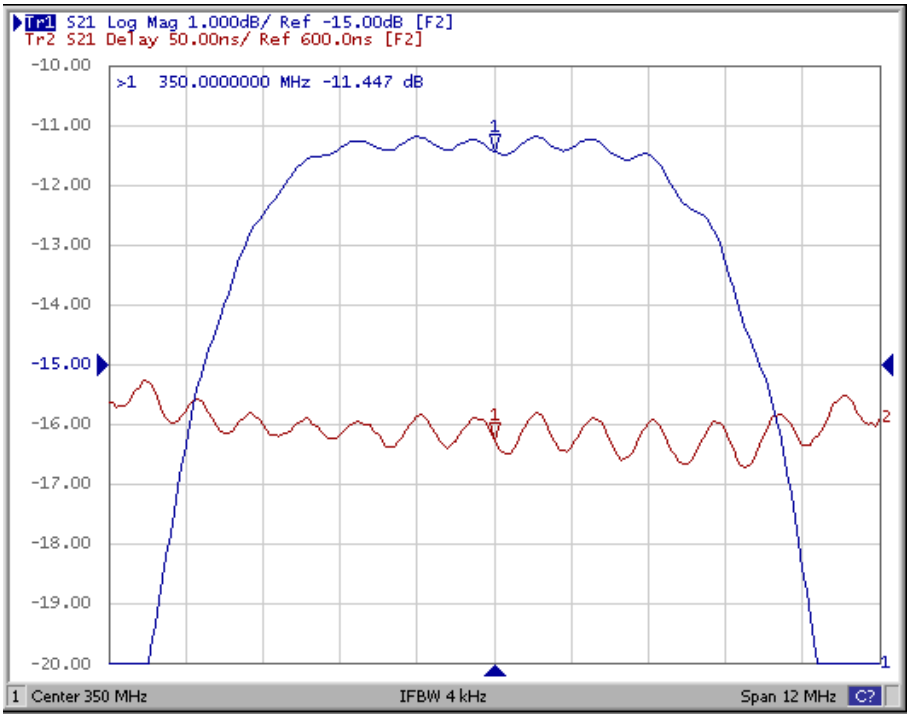
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C. FREQUENCY CHARACTERISTICS:

1. S21 Response: (span 100MHz)



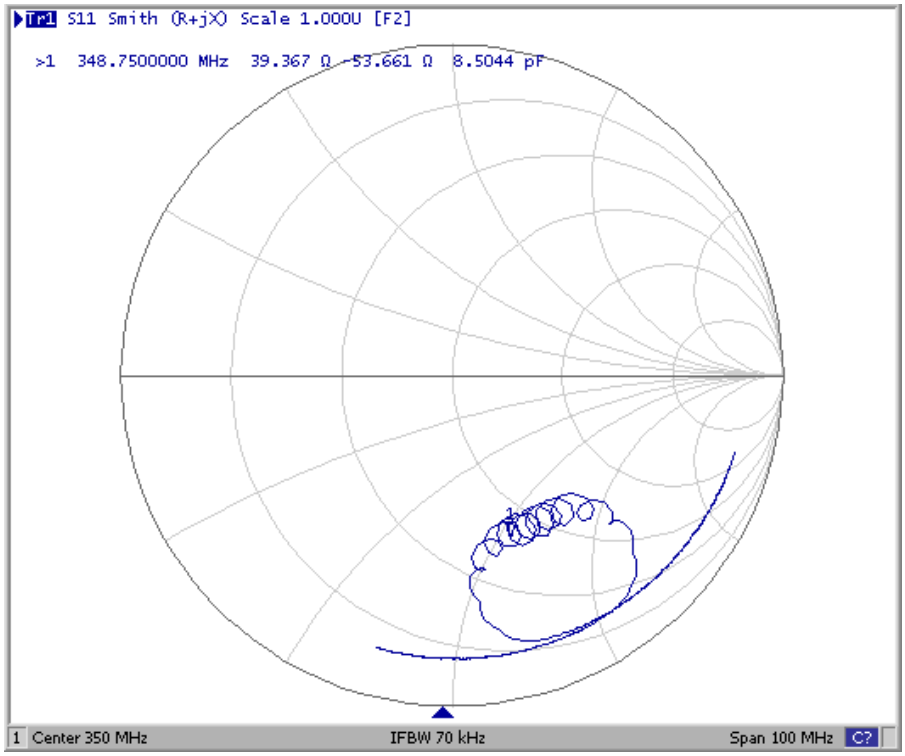
2. Passband Response: (span 12MHz)



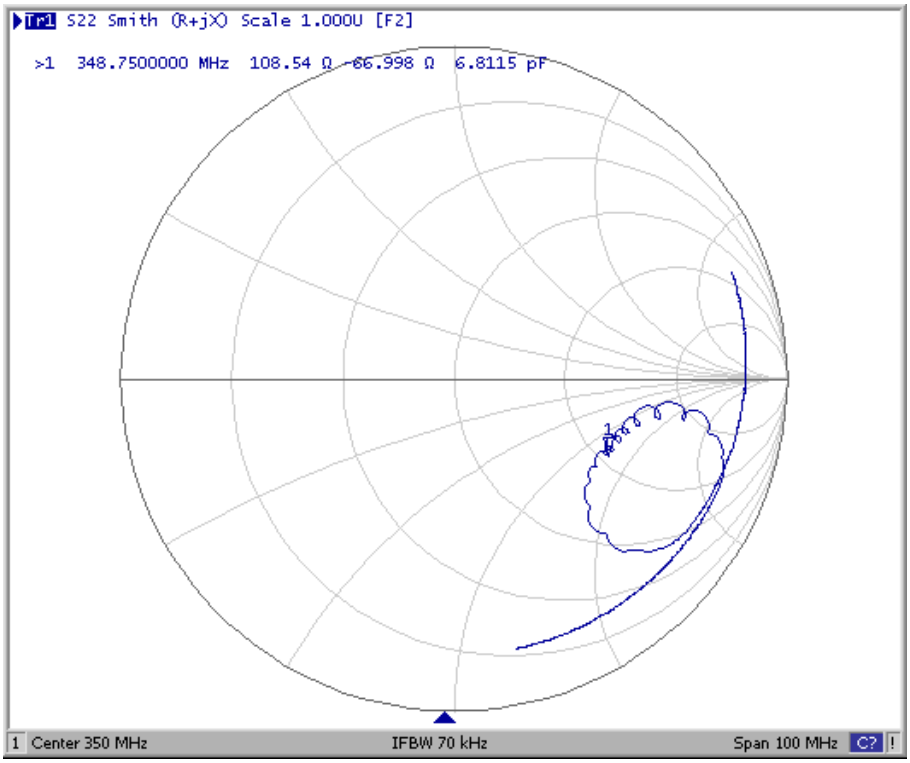
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3. S11 Smith-Chart: (span 100MHz)



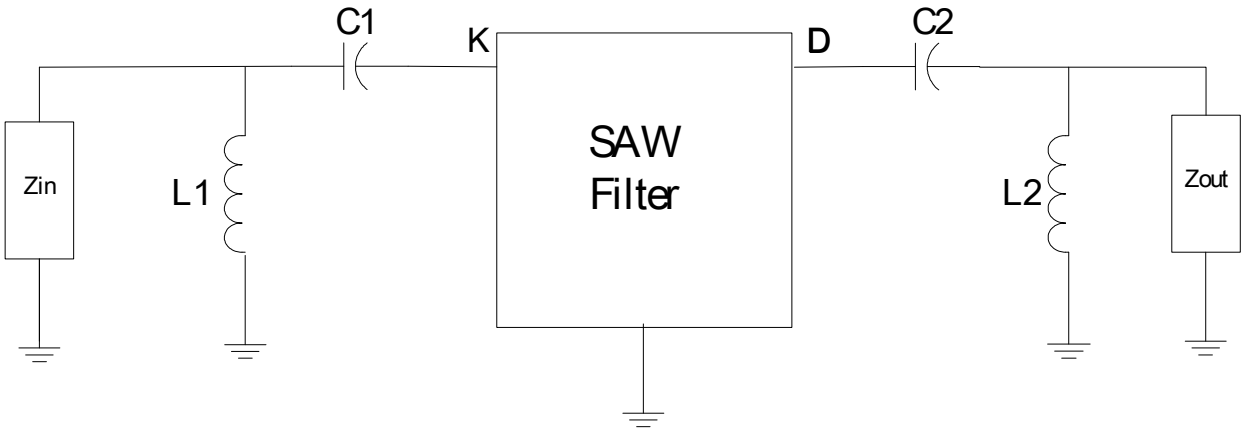
4. S22 Smith-Chart: (span 100MHz)



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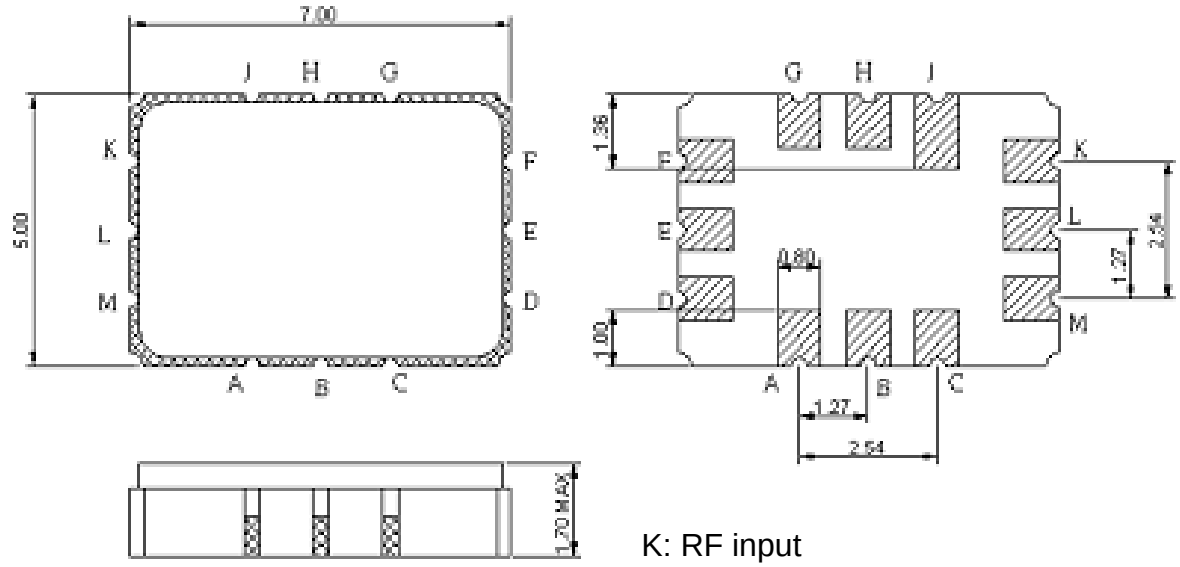
D. TEST CIRCUIT:



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

L1 = 27nH, C1 = 57pF, L2 = 18nH, C2 = 68pF

E. OUTLINE DRAWING:



K: RF input
D: RF output
L, M, A, B, C, E, F, G, H, I: Ground
Unit: mm

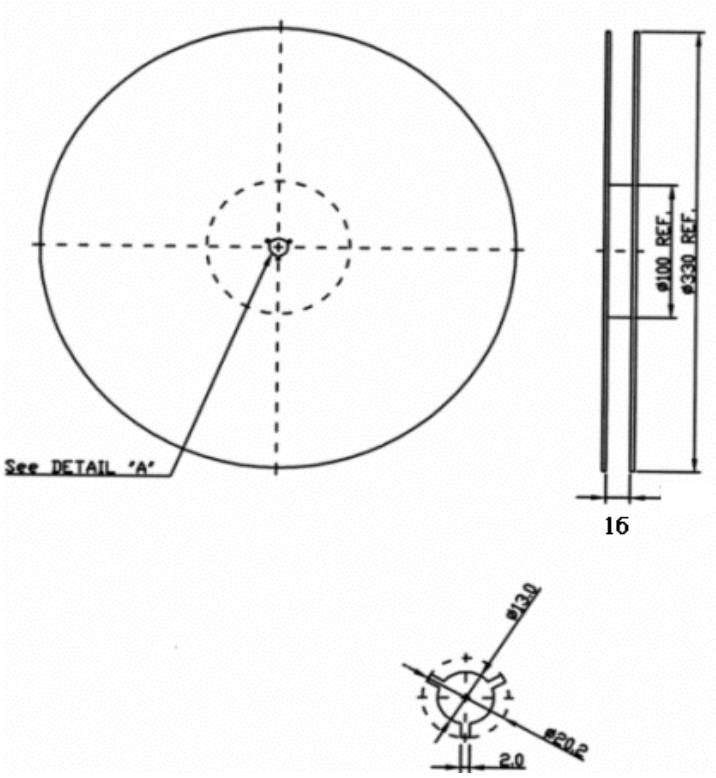
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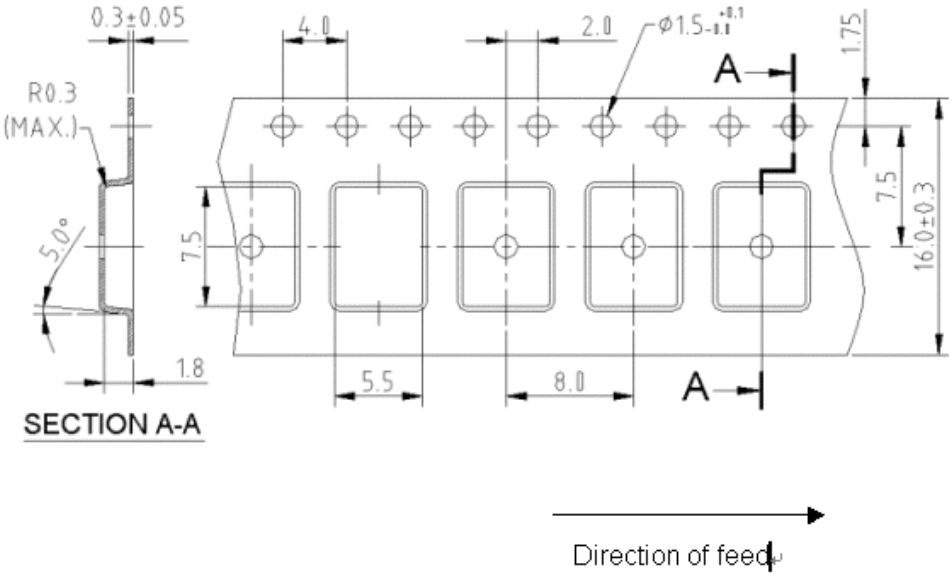
F. PACKING:

1. REEL DIMENSION

(Reel Count: 7" = 1000 typ; 13" = 2000 typ)



2. TAPE DIMENSION



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G. RECOMMENDED REFLOW PROFILE:

