

SAW Filter 355MHz

Model: TB0673A

Part No: MP02584

REV NO.: 1

A. MAXIMUM RATINGS:

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

B. ELECTRICAL CHARACTERISTICS:

1. Ambient Temperature: 25 °C

Characteristics	Value		
	Min.		Max.
Center frequency F_C MHz	-	355.0	-
Maximum Insertion loss I.L. 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 $F_C \pm 2.5$ MHz dB	-	0.5	1.0
S11 Return Loss $F_C \pm 2.5$ MHz dB	-	9.0	-
Temp Coefficient ppm/°C		-18	
Attenuation:(Reference level from minimum insertion loss)			
1) 245 ~ 320 MHz dB	40	58	-
2) 370 ~ 445 MHz dB	40	46	-

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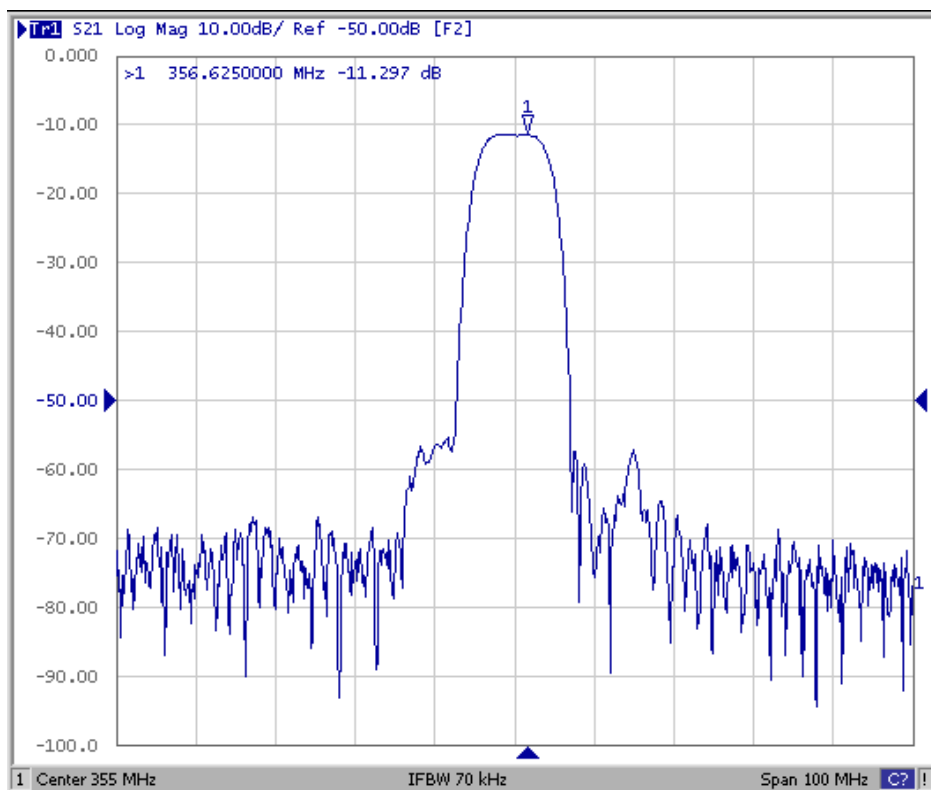
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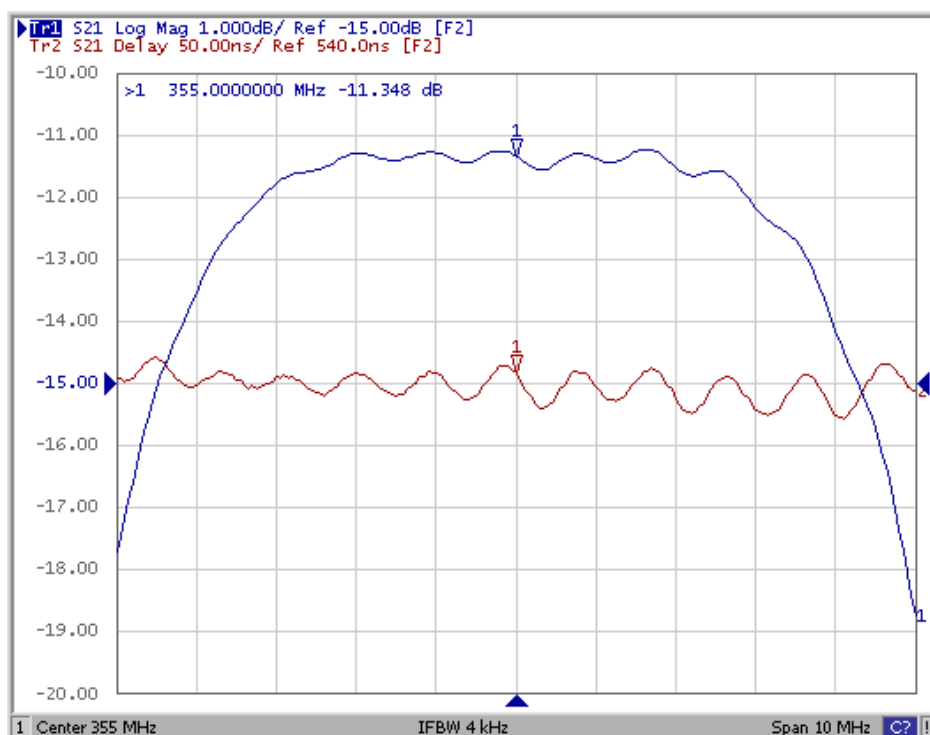
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C. FREQUENCY CHARACTERISTICS:

1. S21 Response:(span 100MHz)



2. Passband Response: (span 10MHz)



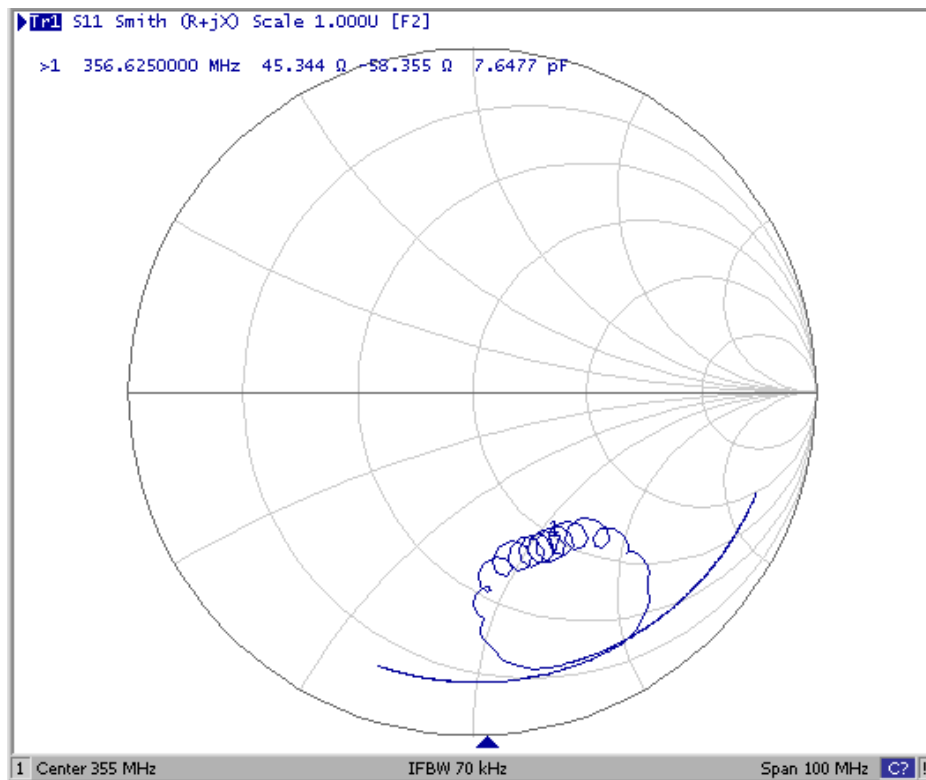
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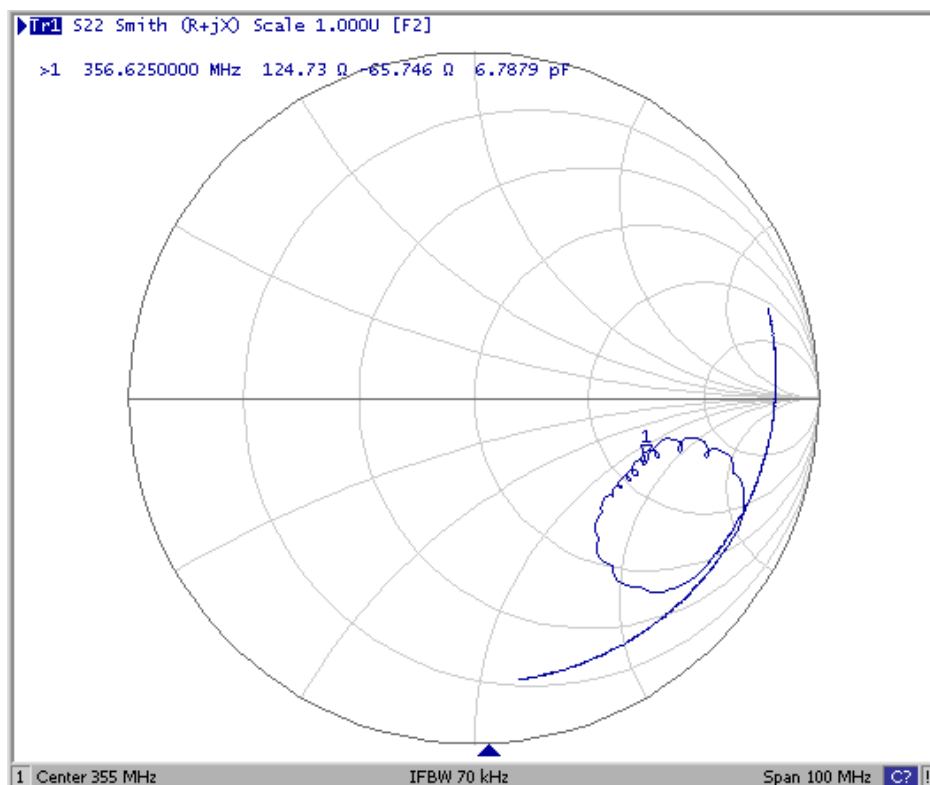
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3. S11 Smith-Chart: (span 100MHz)



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



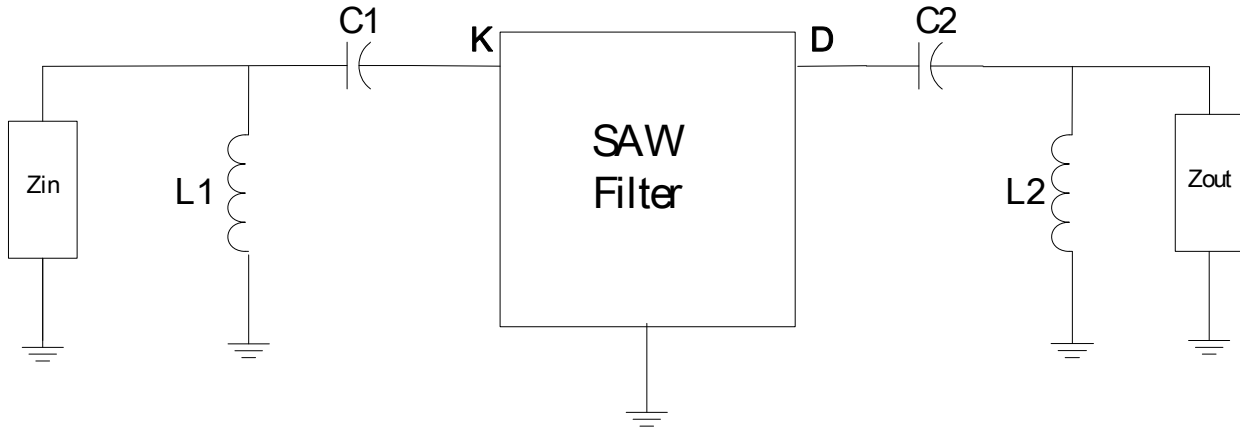
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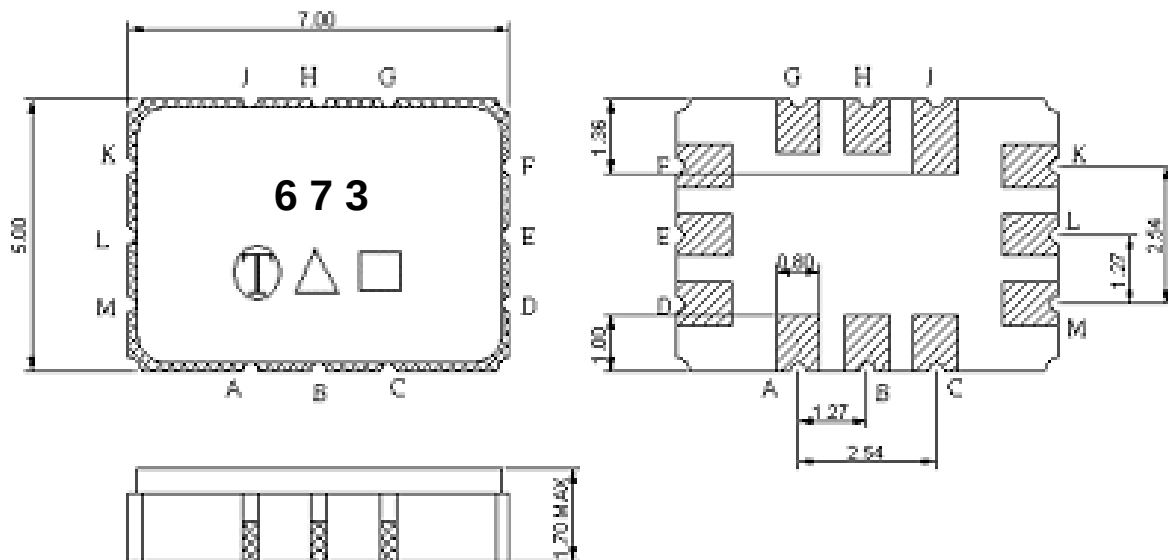
D. TEST CIRCUIT:



$Z_{in} = Z_{out} = 50 \text{ ohm}$

$L1=27\text{nH}$, $C1=57\text{pF}$, $L2=18\text{nH}$, $C2=68\text{pF}$

E. OUTLINE DRAWING:



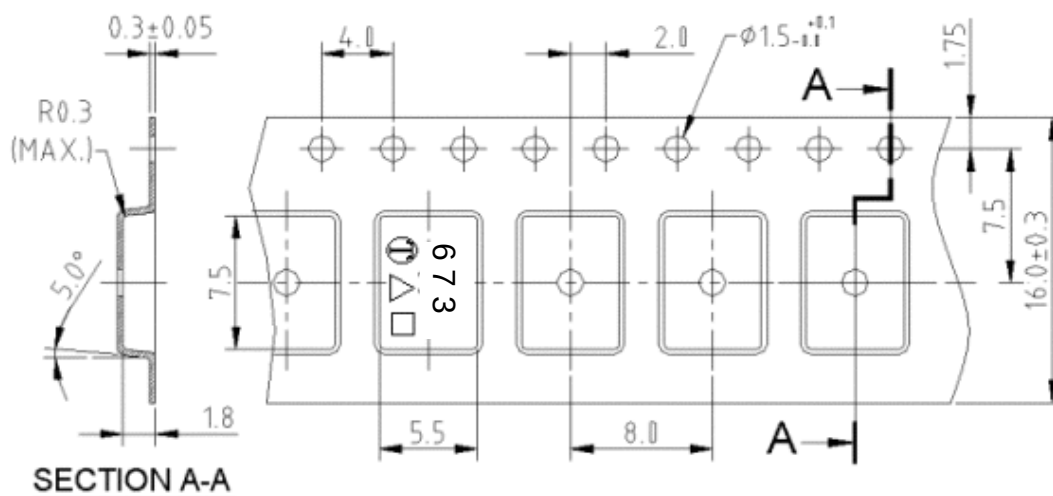
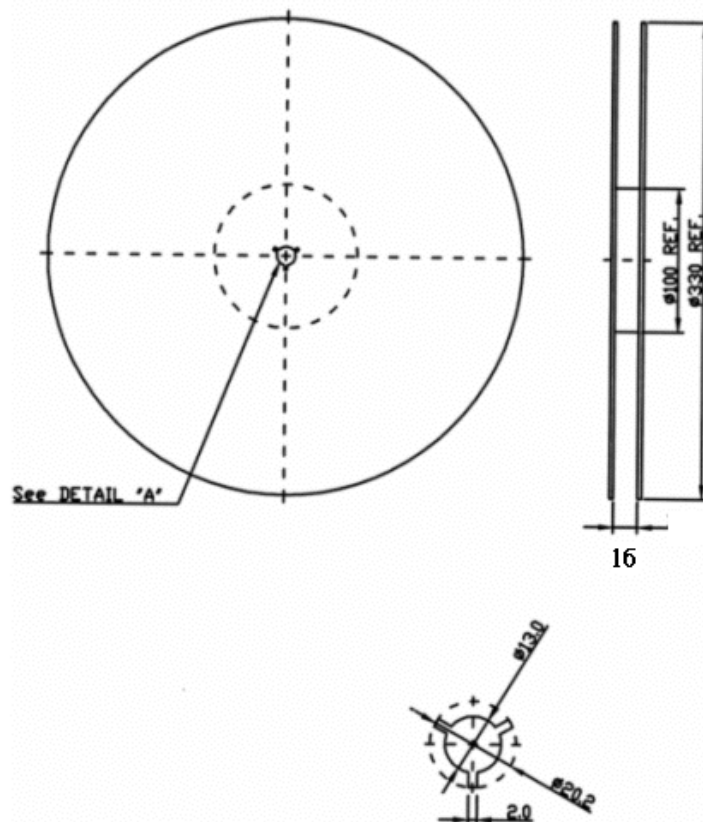
Pin K: RF input

Pin D: RF output

Pin L, M, A, B, C, E, F, G, H, I: Ground

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



Direction of feed

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G. RECOMMENDED REFLOW PROFILE:

