

SAW Filter 140.0MHz

Model: TB0800A

Part No: MP05745

Rev. No: 2

A. MAXIMUM RATING:

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

B. CHARACTERISTICS:

Ambient Temperature: 25°C

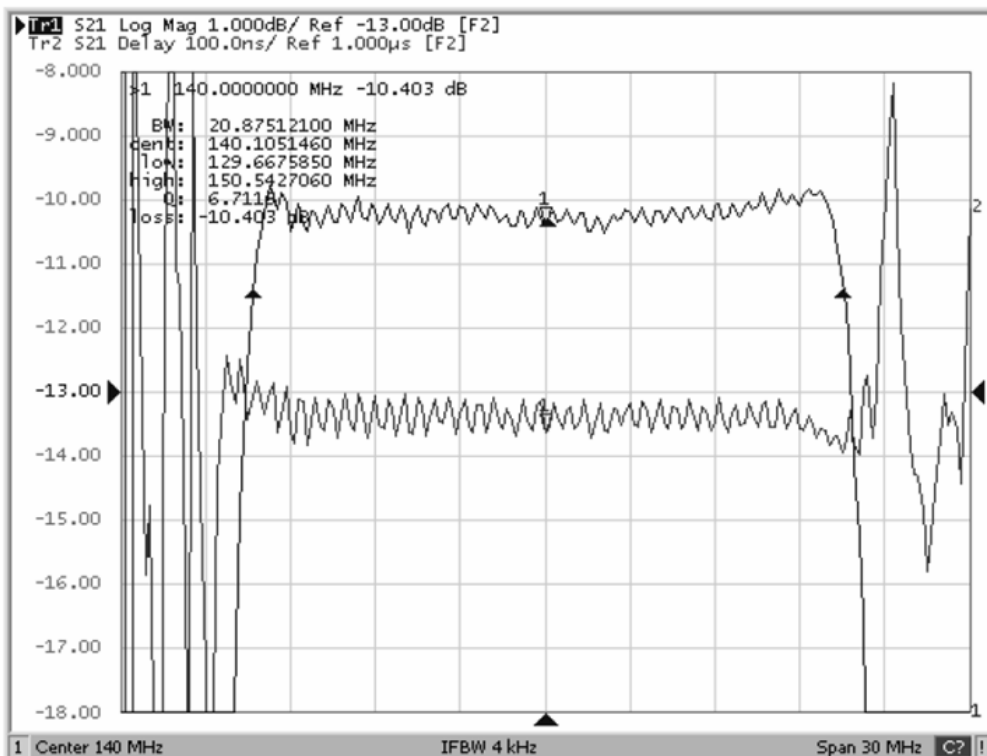
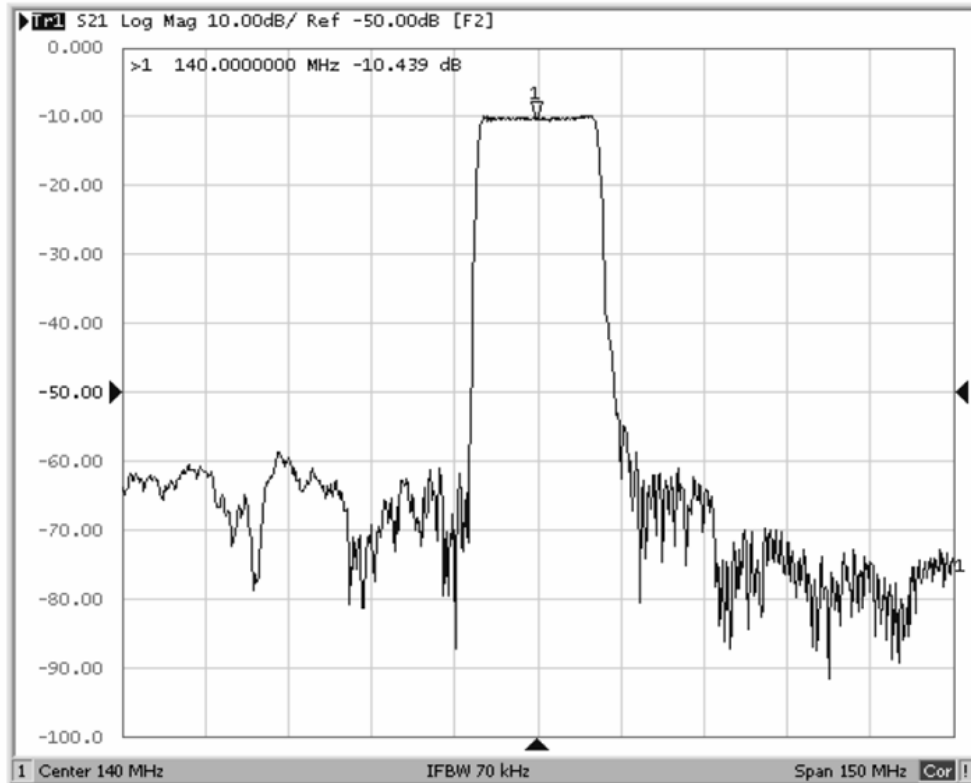
Characteristics	Min.	Typ.	Max.	Note
Center frequency Fc MHz	-	140.0	-	-
Maximum Insertion loss IL dB	-	10.3	11.5	-
1dB Bandwidth MHz	18.4	20.8	-	-
3dB Bandwidth MHz	20.0	21.8	-	-
35dB Bandwidth MHz	-	25.5	26.4	-
Passband Ripple (within 130.8 ~ 149.2MHz) dB	-	0.8	1.0	-
Group Delay Ripple (within 130.8 ~ 149.2MHz) nS	-	115	160	-
Absolute Group Delay uS	-	1.05	-	-
Input VSWR (within 130.8 ~ 149.2MHz) dB	-	1.7	2.8	-
Output VSWR (within 130.8 ~ 149.2MHz) dB	-	1.8	2.3	-
Temp Coefficient ppm/°C	-	-93	-	-
Attenuation: (Reference level from minimum insertion loss)				
10MHz ~ 90MHz dB	35	49	-	-
190MHz ~ 120MHz dB	40	47	-	-
120MHz ~ 126.8MHz dB	35	50	-	-
154.7MHz ~ 160MHz dB	35	45	-	-
160MHz ~ 190MHz dB	40	53	-	-
190MHz ~ 800MHz dB	35	62	-	-

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C. FREQUENCY CHARACTERISTICS:

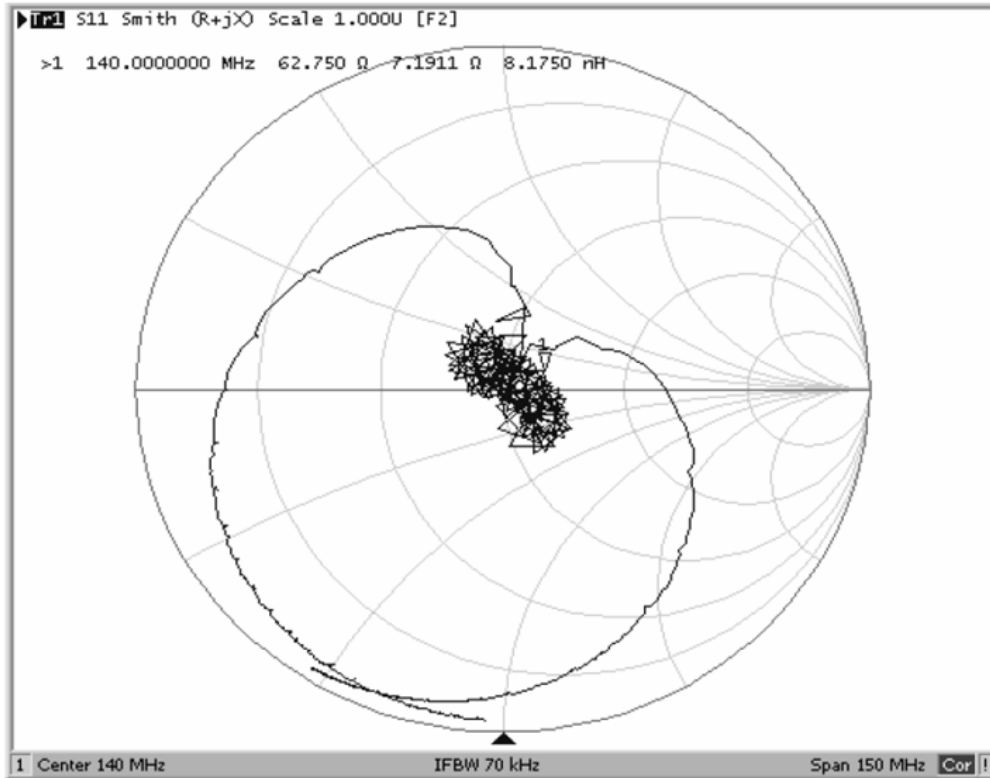
1. S11 Response:



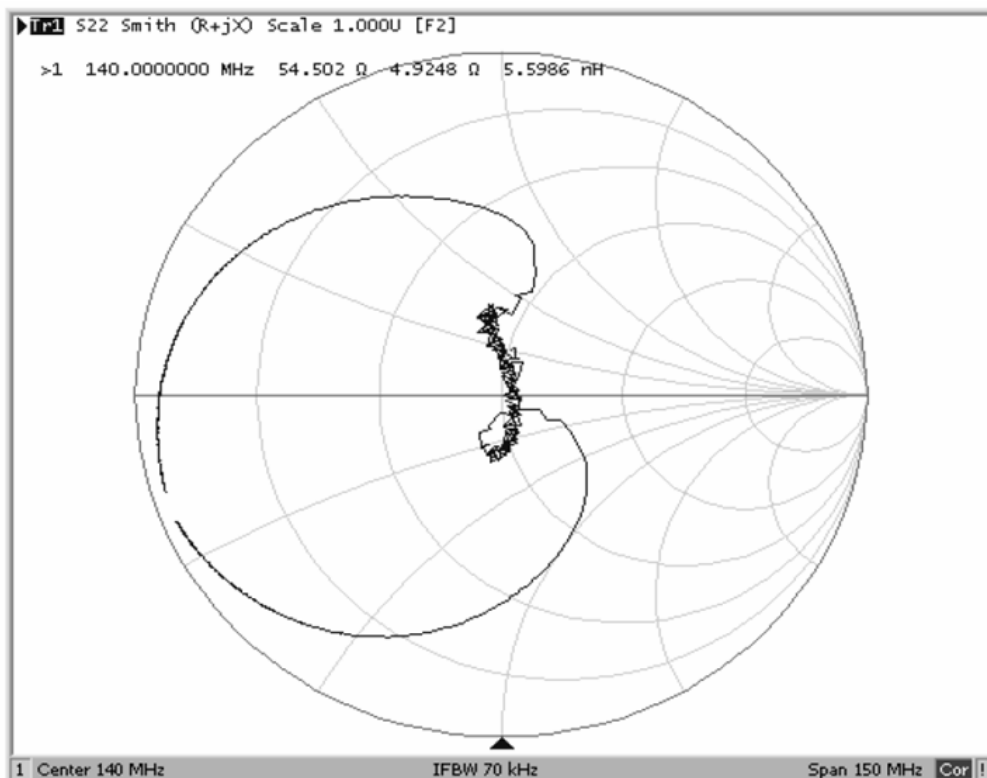
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2. S11 Smith-Chart



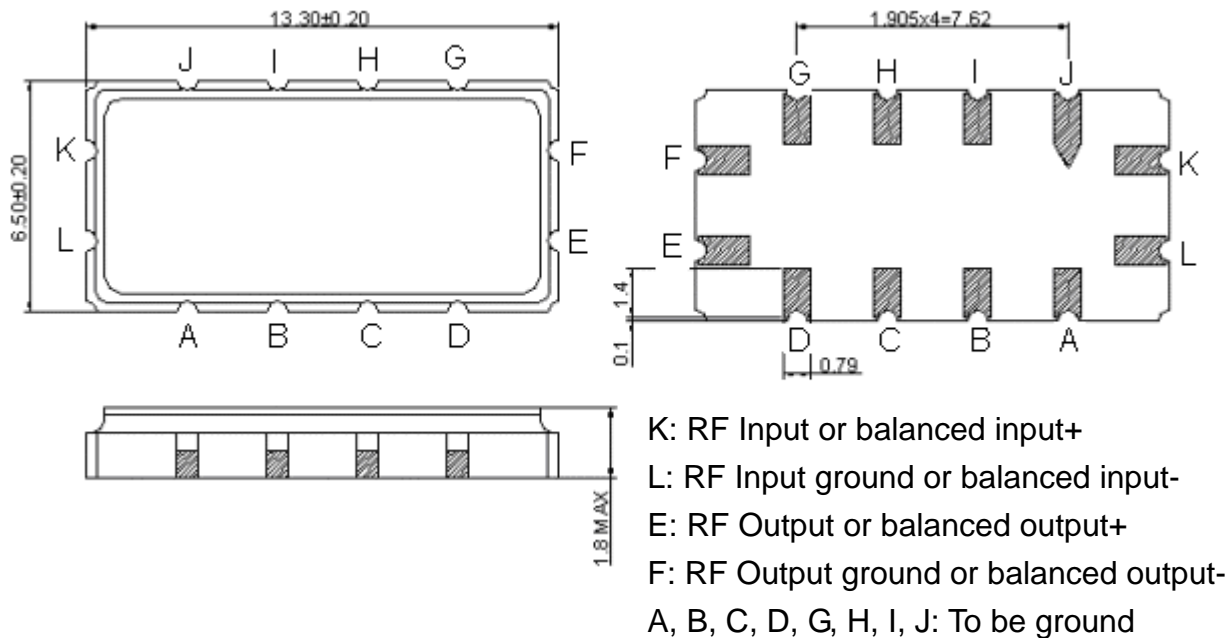
3. S22 Smith-Chart



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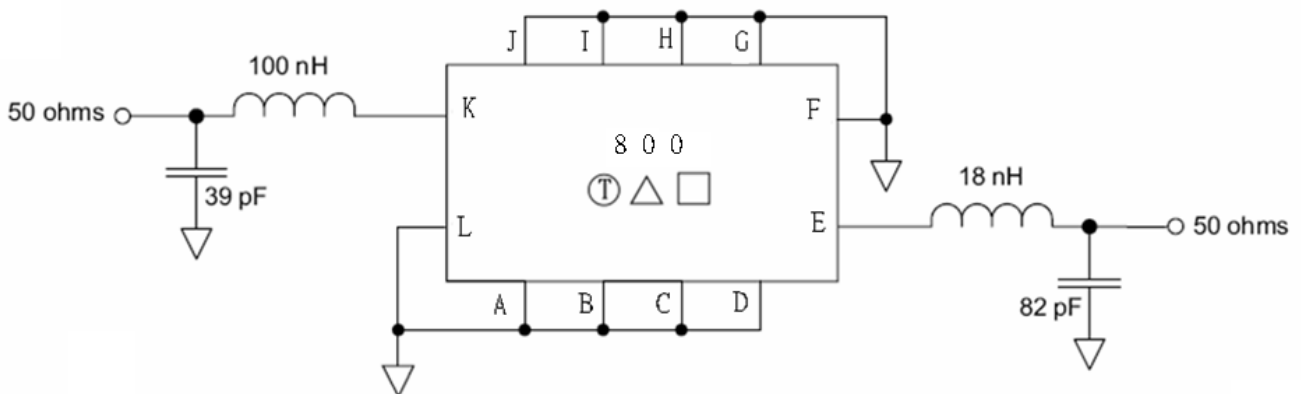
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D. OUTLINE DRAWING:



E. MEASUREMENT CIRCUITS:

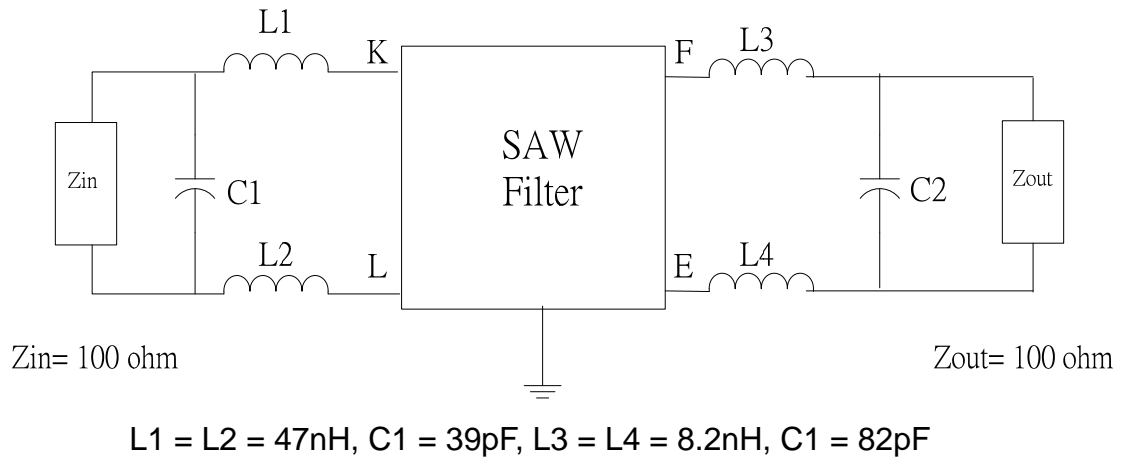
Single In / Output:



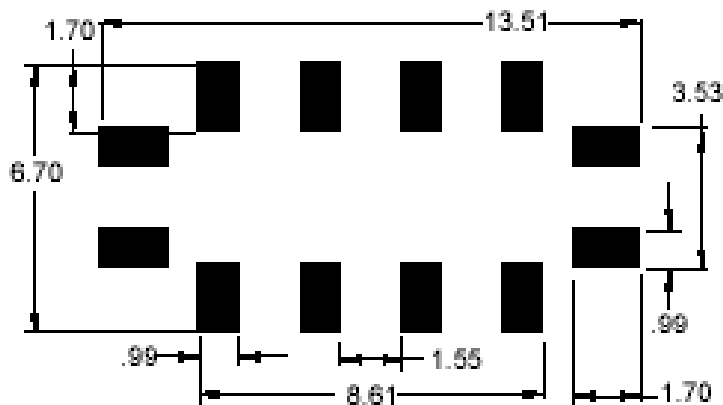
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Balanced In/Output



F. PCB FOOTPRINT:

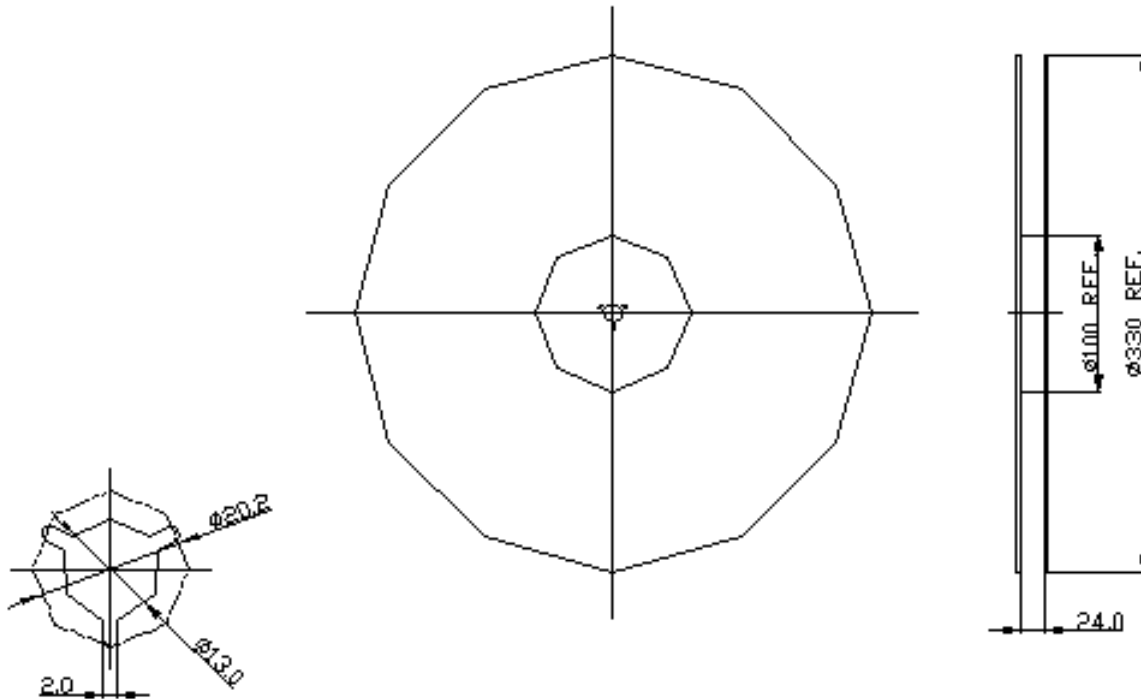


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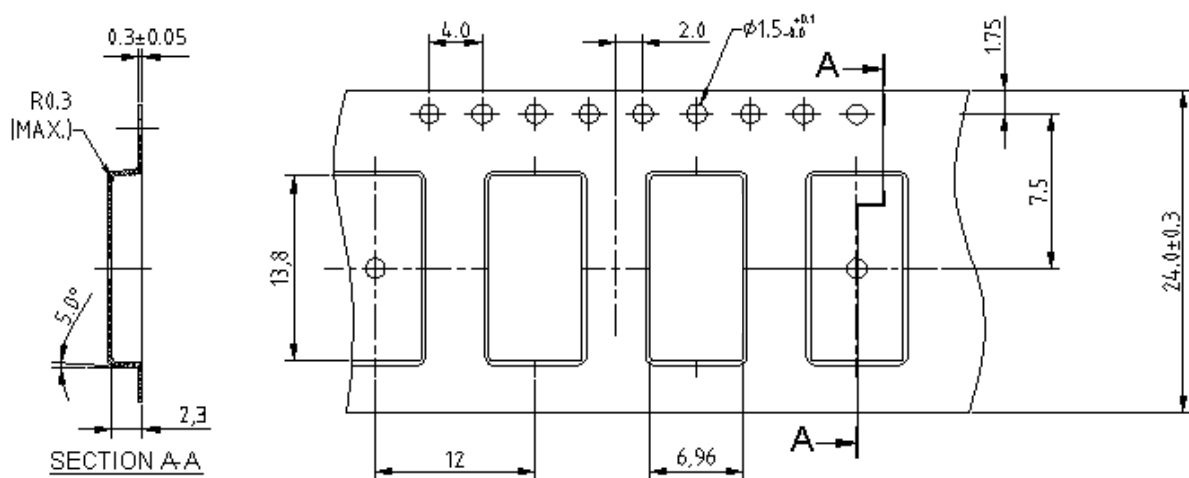
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G. PACKING:

1. Reel Dimension



2. Tape Dimension



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H. RECOMMENDED REFLOW PROFILE:

