

SAW Filter 110.00MHz

Model: TB0681A

Part No: MP01327

REV. NO.: 1

A. MAXIMUM RATING:

1. Operating Temperature: -10°C ~ 50°C
2. Storage Temperature: -40°C ~ +85°C
3. Input Power Level : 10dBm

B. CHARACTERISTICS:

1. Ambient Temperature: 25°C

Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency FC MHz	-	110	-	-
Minimum Insertion loss I.L. dB	-	7.8	12	-
1 dB Bandwidth KHz	-	297	-	-
3 dB Bandwidth KHz	200	450	-	-
Group Delay Ripple ($F_C \pm 100\text{KHz}$) nsec	-	60	400	-
Relative Rejection (Reference to Minimum Insertion loss)				
1) $F_C \pm 1.0\text{MHz}$ dB	15	30	-	-
2) $F_C \pm 4.0\text{MHz}$ dB	35	40	-	-
Temp Coefficient ppm/K ²	-	-0.036	-	-

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C. FREQUENCY CHARACTERISTICS:

1. S21 Response

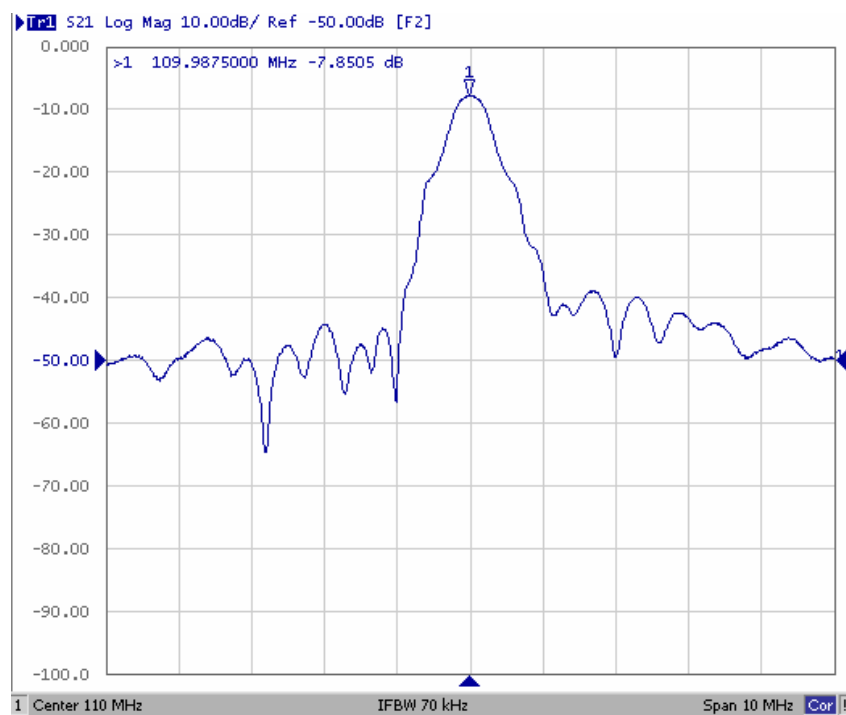


Fig1. Horizontal: 1MHz/Div Vertical: 10dB/Div

2. Passband Response and Group Delay Response

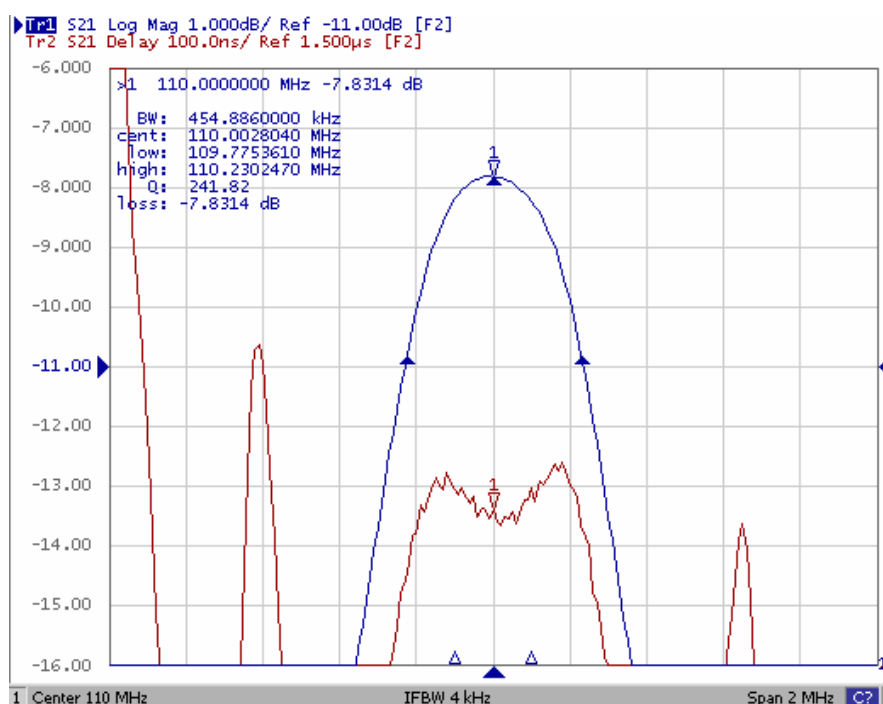


Fig2. Horizontal: 0.2MHz/Div Vertical 1: 1dB/Div. Vertical 2: 100nS/Div

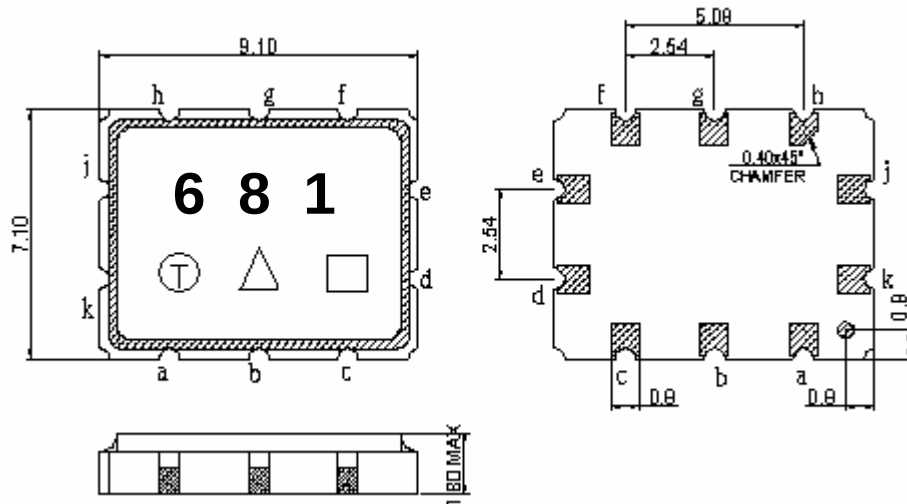
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D. OUTLINE DRAWING:



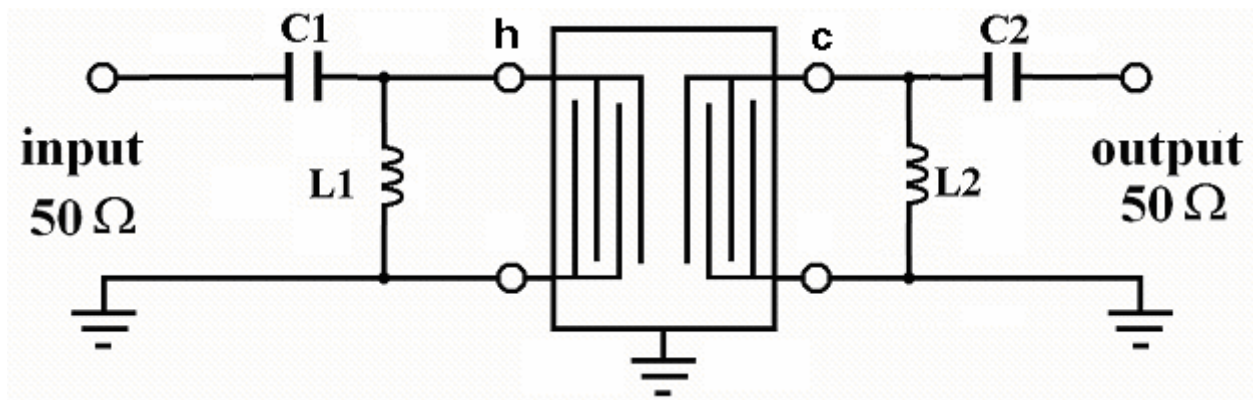
Pin h: RF Input

Pin c: RF Output

Pin a, b, c, d, e, f, g, j, k : To be ground

Unit : mm

D. MATCHING CIRCUIT:



L1=82nH, C1=8pF, L2=100nH, C2=8pF

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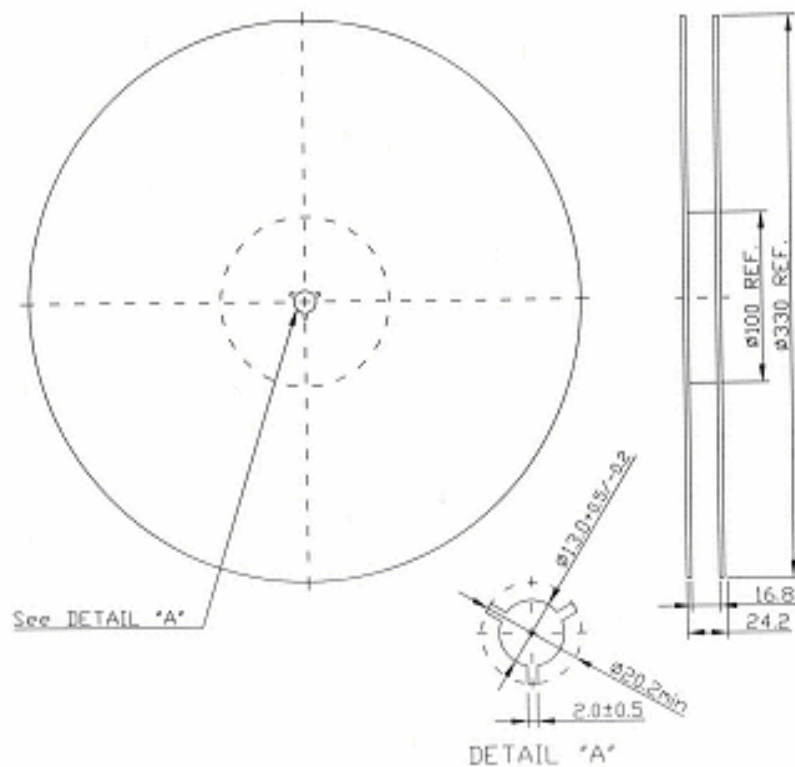
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G. PACKING:

1. Reel Dimension



2. Tape Dimension

