

SAW Filter 942.0MHz

Model: TB0841A

Part No: MP06160

Rev No: 1

A. MAXIMUM RATING:

1. Operating temperature range: -40°C to 85°C
2. Storage temperature range: -40°C to 85°C
3. Input Power Level: 10 dBm
4. Maximum DC Voltage: 10V

B. CHARACTERISTICS:

Characteristics	Min.	Typ.	Max.
Center frequency Fc MHz	-	942	-
Maximum Insertion loss IL dB	-	27.5	30.0
3dB Band Width MHz	24.0	27.8	-
30B Band Width MHz	-	30	33
Passband Ripple in Fc $\pm$ 10MHz dB	-	0.5	1.2
Group Delay in Fc $\pm$ 10MHz nsec	-	40	120
Absolute delay usec	-	0.80	-
Single Input Impedance Ohm	-	50	-
Single Output Impedance Ohm	-	50	-
Temperature Coefficient ppm/°C	-	-0.036	-

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C. FREQUENCY RESPONSES:

1. Wide band response

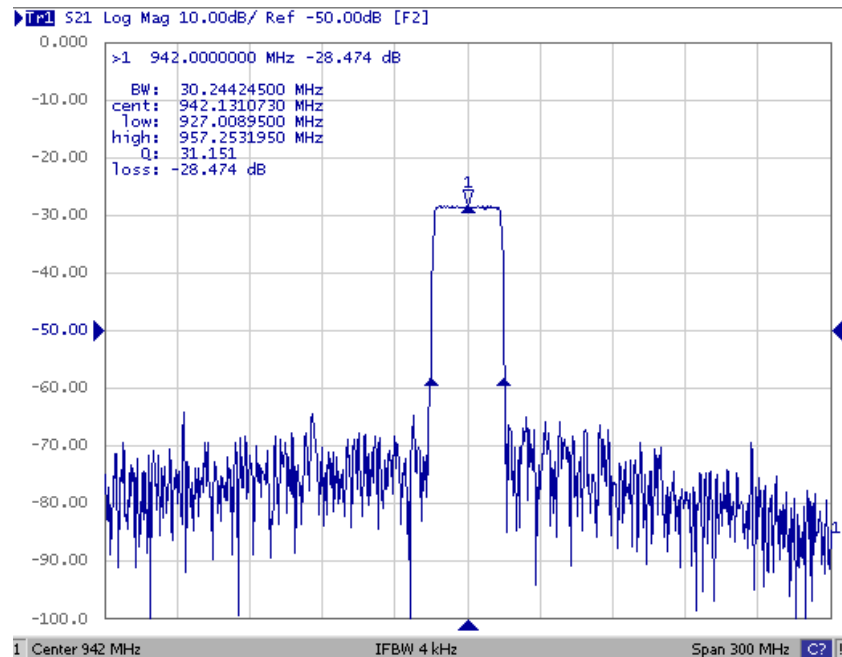


Fig. 1: Horizontal: 30MHz / Div, Vertical: 10dB / Div

2. Pass band & Group Delay response

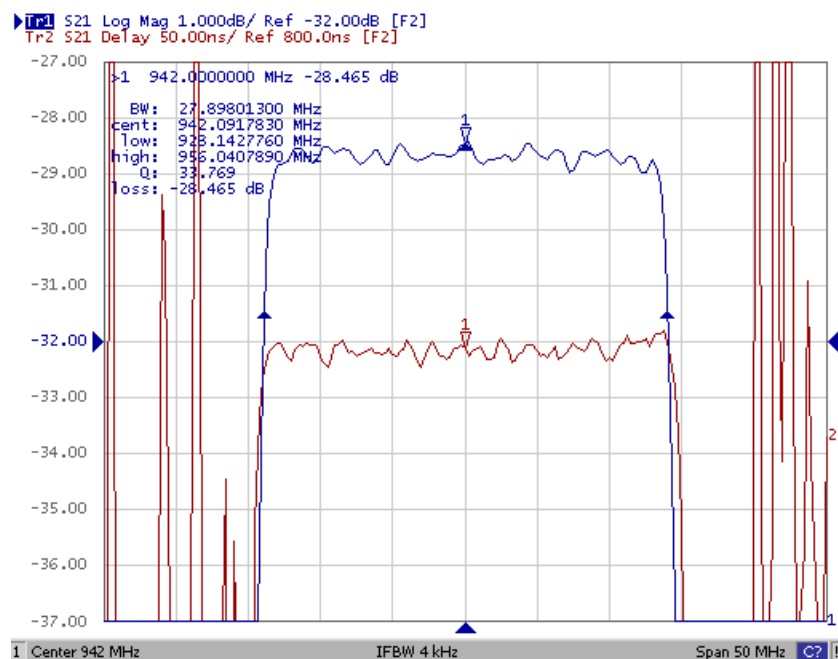
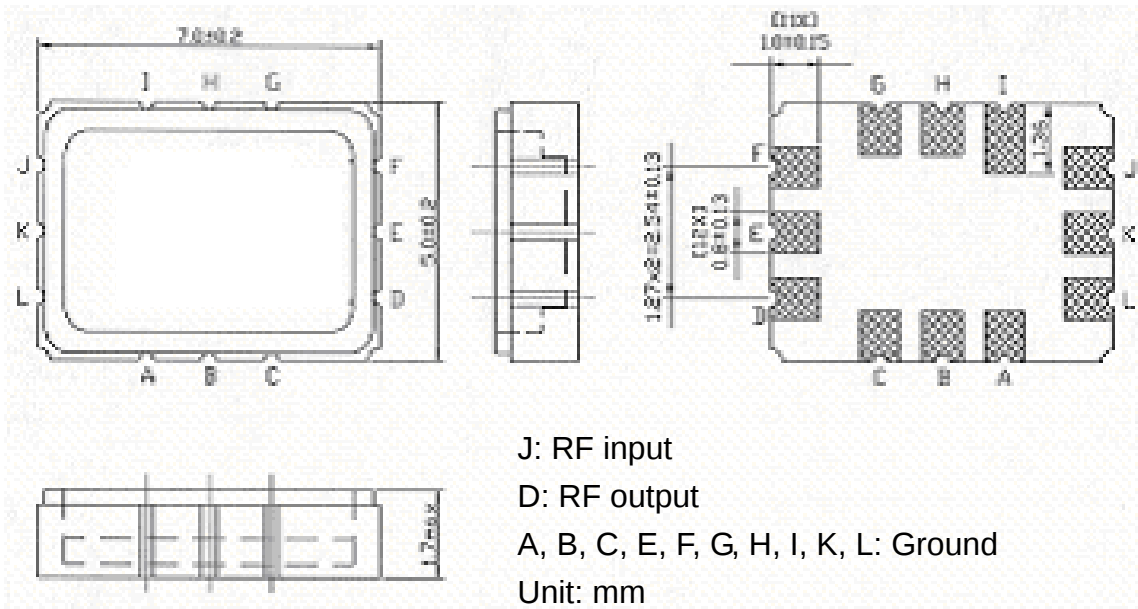


Fig. 2: Horizontal: 5MHz / Div, Vertical: 1dB / Div, Vertical: 50ns / Div

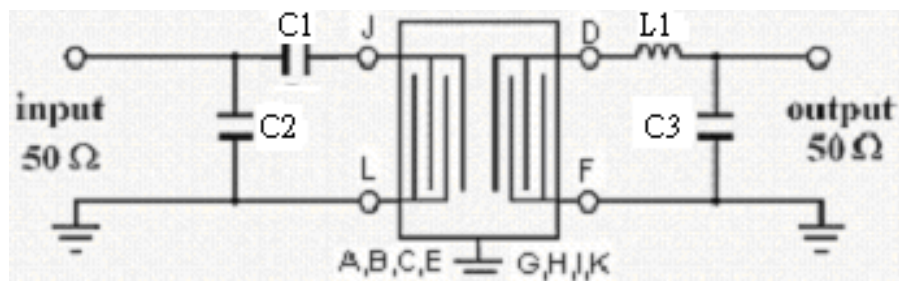
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D. OUTLINE DRAWING:

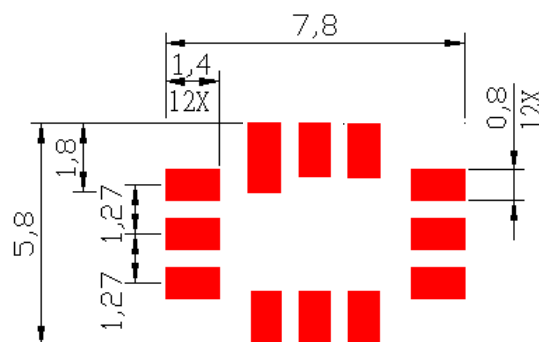


E. MEASUREMENT CIRCUIT:



L1 = 3nH, C1 = 27pF, C2 = 9F, C3 = 9F

F. PCB FOOTPRINT:

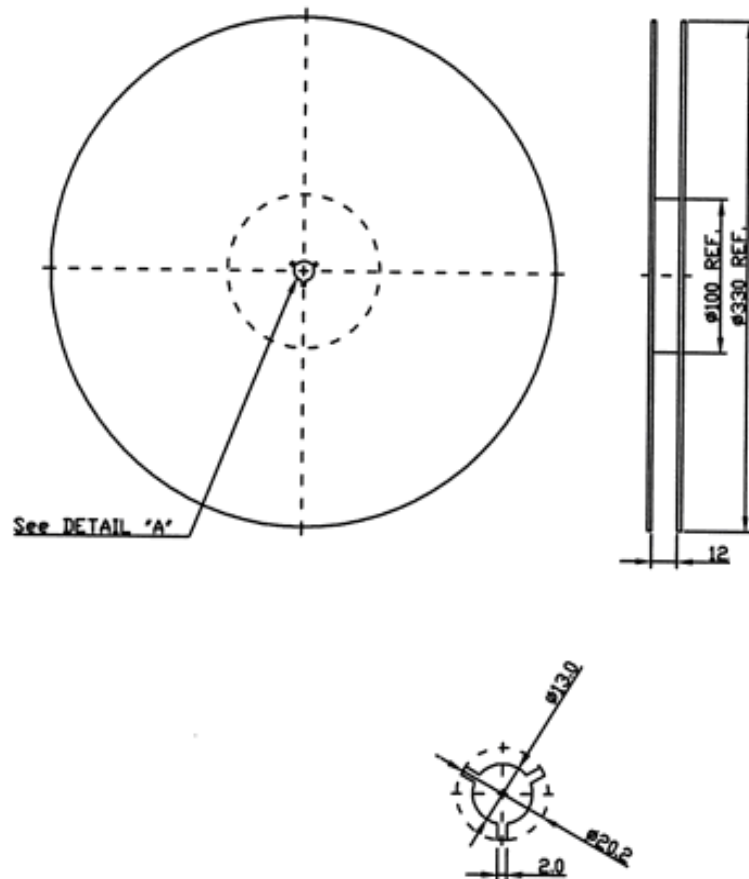


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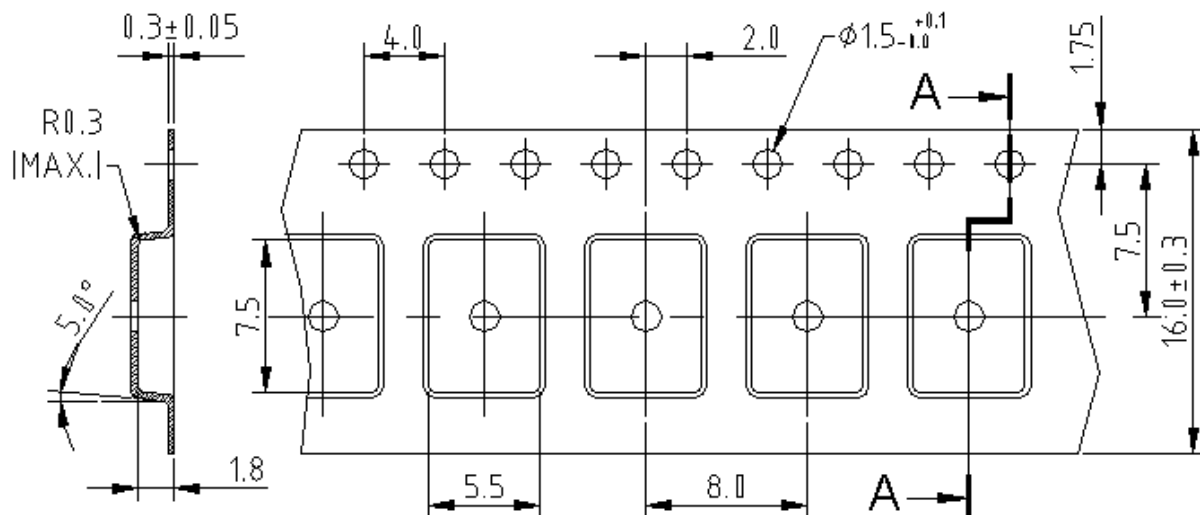
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G. PACKING:

1. Reel Dimension



2. Tape Dimension



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H. RECOMMENDED REFLOW PROFILE:

