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Golledge Electronics Ltd
Eaglewood Park, ILMINSTER
Somerset, TA19 9DQ, UK

268.40MHz SAW Filter

Model: **TB0377A**

Part No: **MA09008**

REV NO.: 1

A. MAXIMUM RATINGS:

1. Input Power Level: 10 dBm
2. Operating Temperature: -20°C to 80°C
3. Storage Temperature: -40°C to 80°C

B. ELECTRICAL CHARACTERISTICS:

1. Ambient Temperature: 25 °C

Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency F_C MHz	-	268.4	-	-
Minimum Insertion loss I.L. dB	-	12.4	14.0	-
1 dB Bandwidth MHz	35.0	40.5	-	-
20 dB Bandwidth MHz	-	50	55	-
Amplitude Ripple ($\mathbf{F_C}$ ± 17.5MH) dB	-	0.75	1.0	-
Input Power dBm	-	-	+10	-
Relative Rejection (Reference to Minimum Insertion loss)				
205.9~240.9 MHz	20	31	-	-

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C. FREQUENCY CHARACTERISTICS:

(1) wide band of Response: (span: 300MHz)

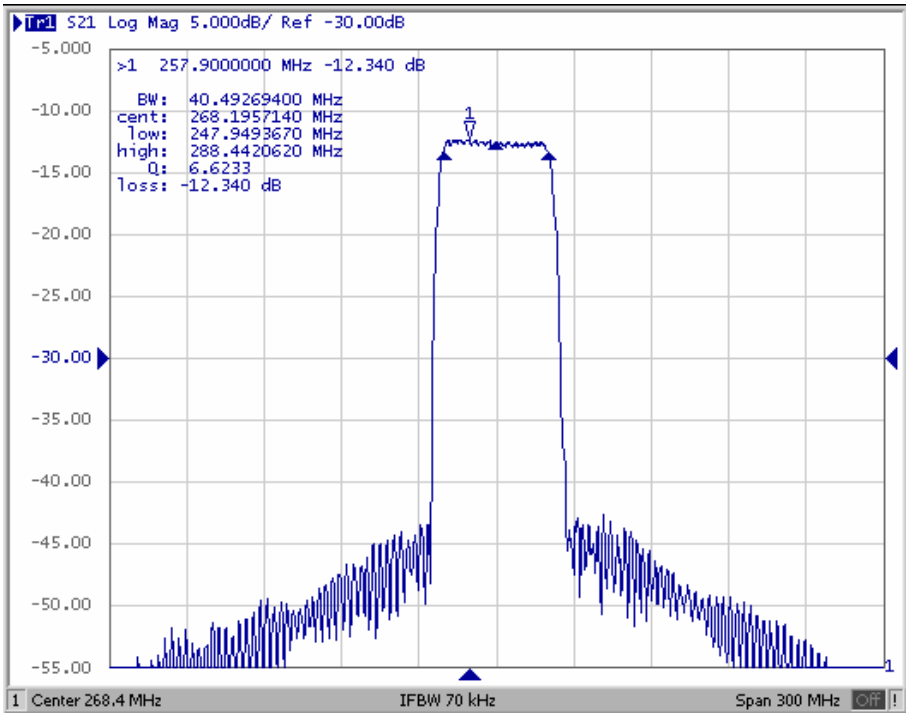


Fig1.S21 Response Horizontal:30MHz/Div Vertical: 10dB/Div

(2) Passband of Response: (span: 50MHz)

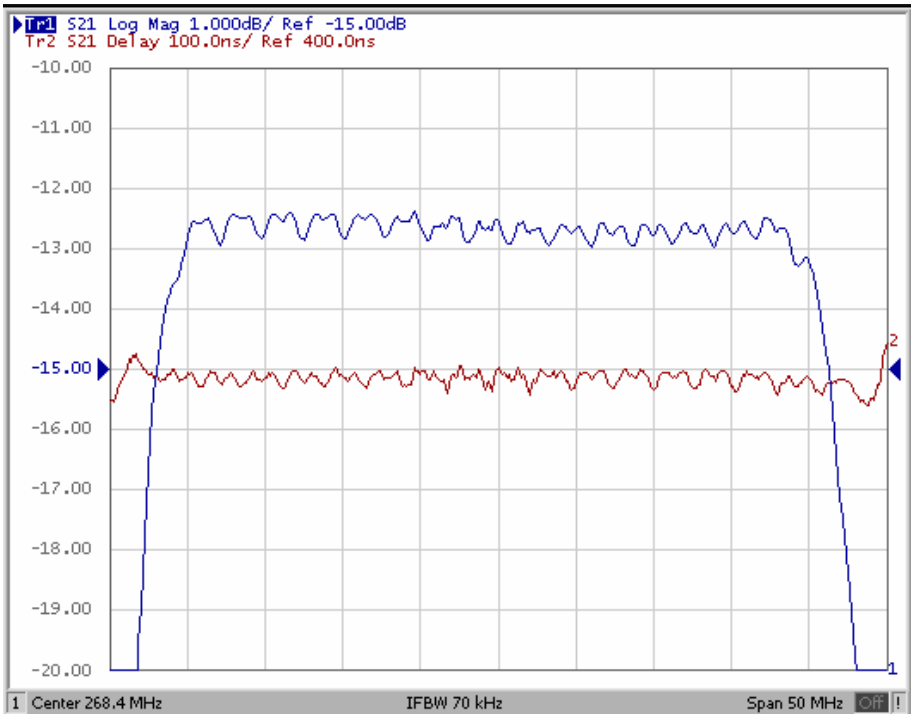
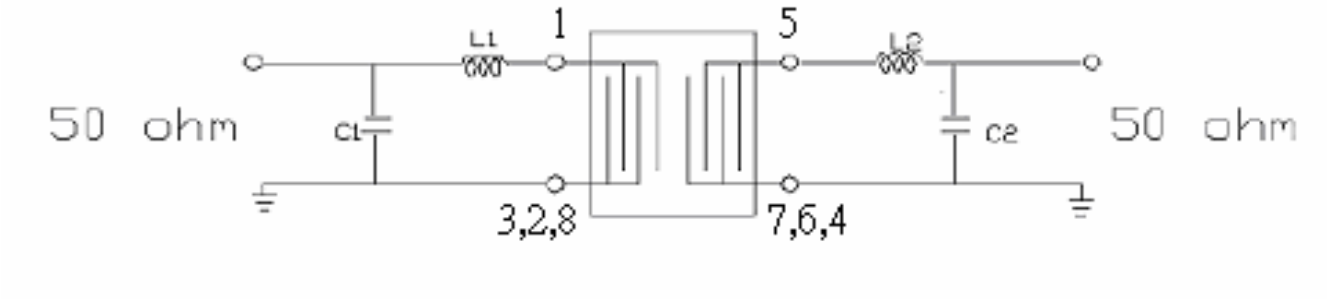


Fig2.S21 Response Horizontal:5MHz/Div Vertical: 1dB/Div

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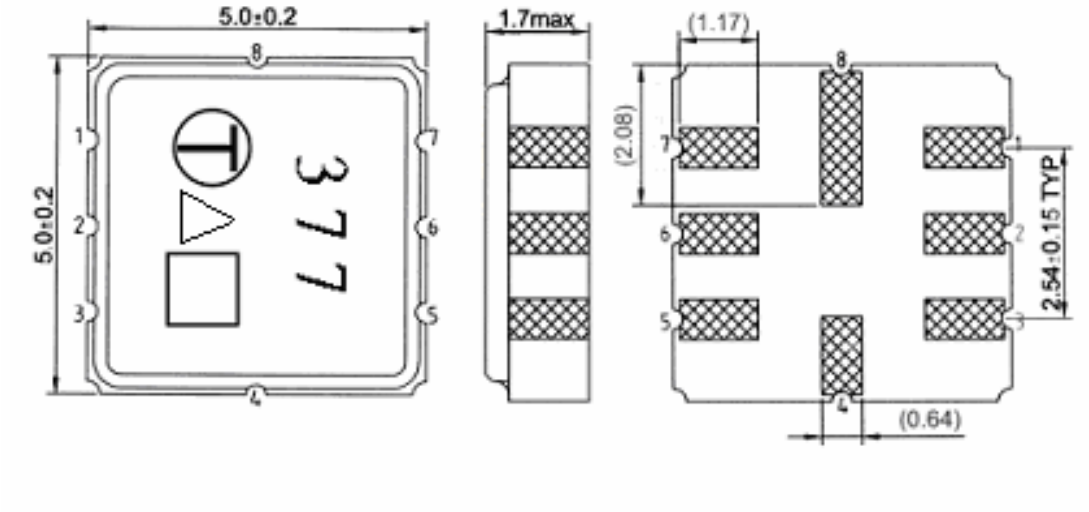
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D. TEST CIRCUIT:



L1=56nH, L2=39nH, C1=9pF, C2=6pF

E. OUTLINE DRAWING:



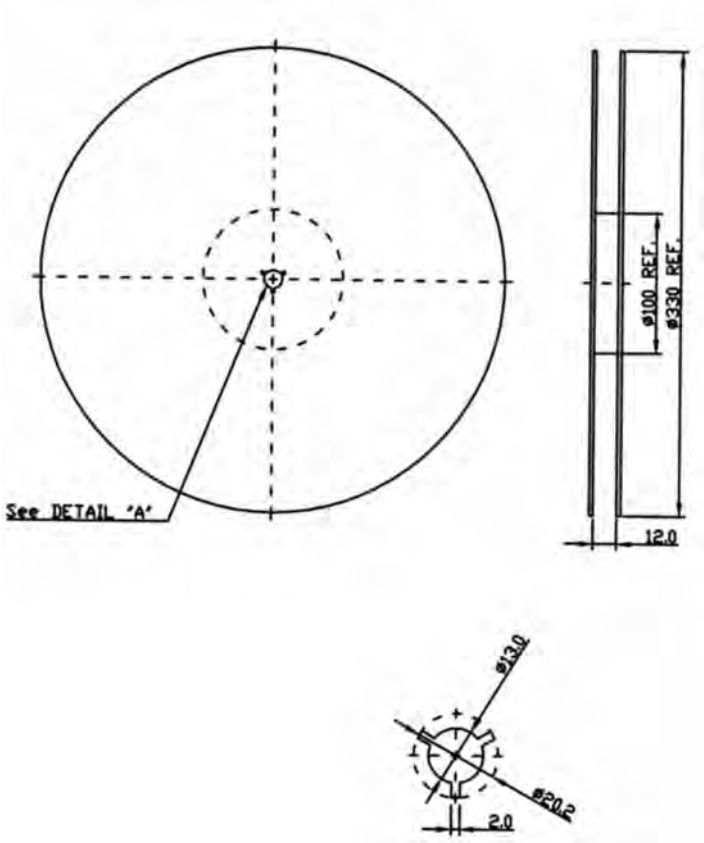
Pin 1: RF input
Pin 5: RF output
Pin 4,8: Case Ground
Pin 2,3,6,7: Ground

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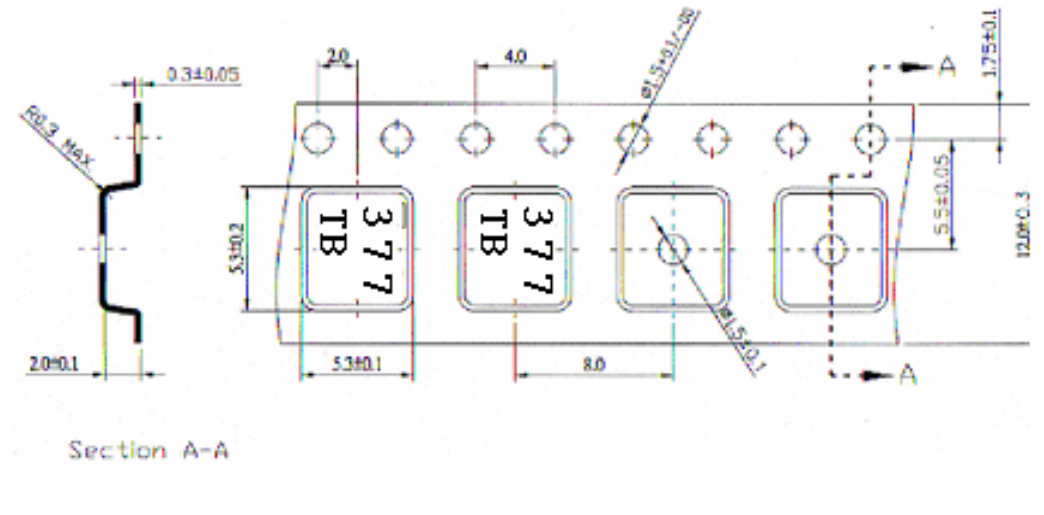
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F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



Direction of feed

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G. RECOMMENDED REFLOW PROFILE:

