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

SAW Filter 140MHz **Model: TB0440A**

Part No: MP03072 **Rev No: 1**

A. MAXIMUM RATING:

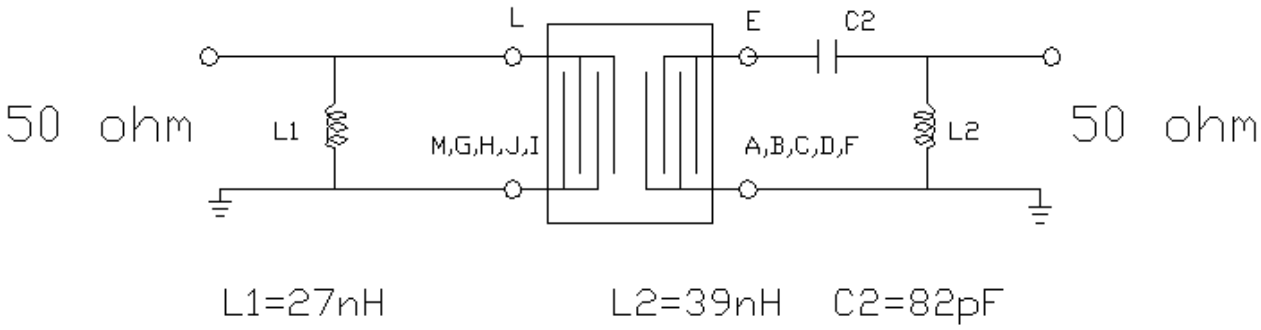
1. Operating Temperature: -5℃ ~ +85℃
2. Storage Temperature: -55℃ ~ +80℃
3. Input Power Level: 10dBm

B. CHARACTERISTICS:

Ambient Temperature: 25℃

Characteristics	Value			Note.
	Min.	Typ.	Max.	
Center frequency Fc MHz	-	140.0	-	-
Maximum Insertion loss IL dB	-	9.6	11.0	-
1dB Bandwidth MHz	18.0	23.0	-	-
3dB Bandwidth MHz	22.0	25.0	-	-
40dB Bandwidth MHz	-	33.0	60.0	-
Passband Ripple (Fc ± 9MHz) MHz	-	0.7	1.0	-
Group Delay Ripple (Fc ± 9MHz) nS	-	80	180	-
Temp Coefficient ppm/℃	-	-94	-	-

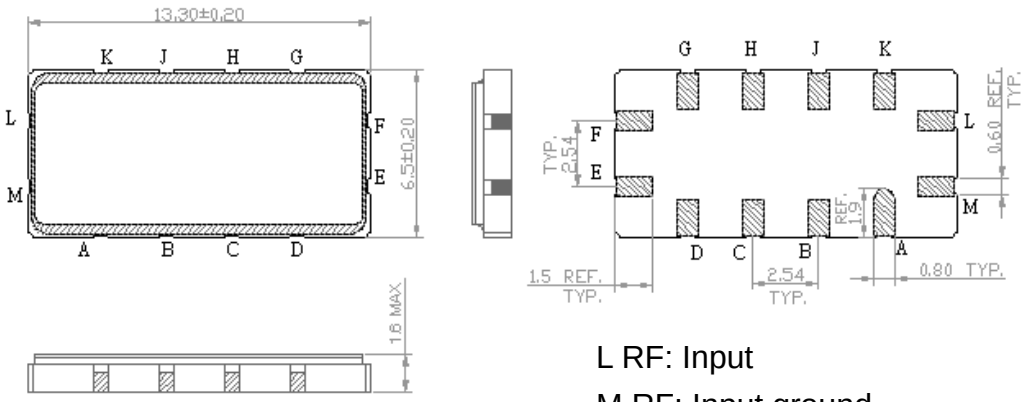
C. TEST FIXTURE:



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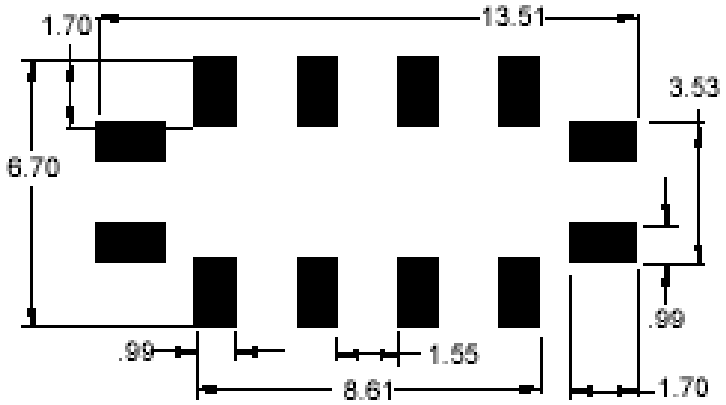
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D. OUTLINE DRAWING:



L RF: Input
M RF: Input ground
E RF: Output
F RF: Output ground
A, B, C, D, G, H, J, K: To be ground
Unit: mm

E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

1. S21 Response

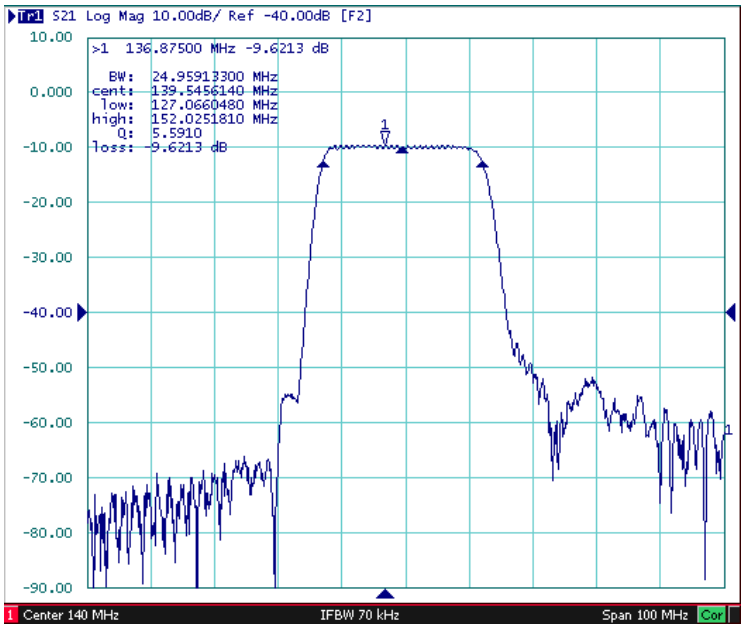


Fig 1: Horizontal: 100MHz/Div Vertical: 10dB/Div

2. Pass band Ripple and Group Delay Ripple

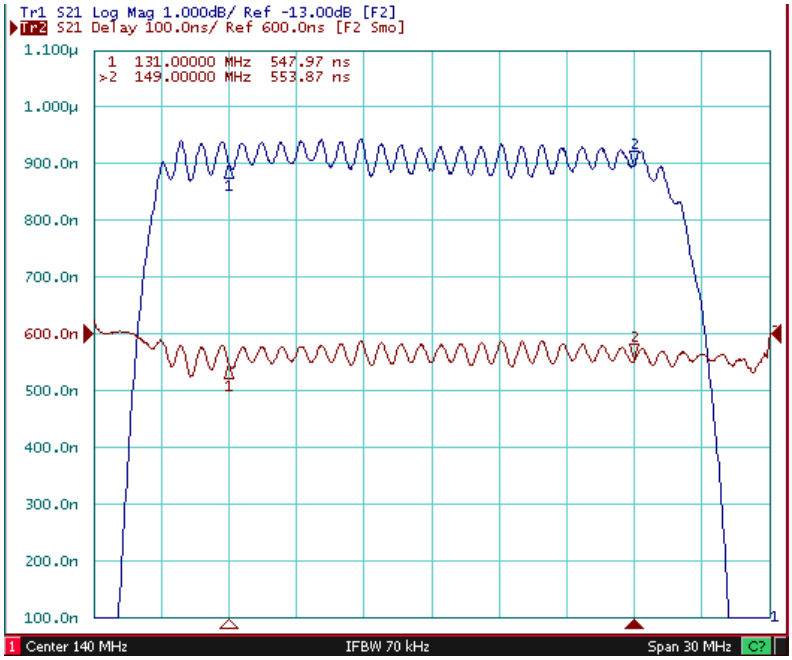


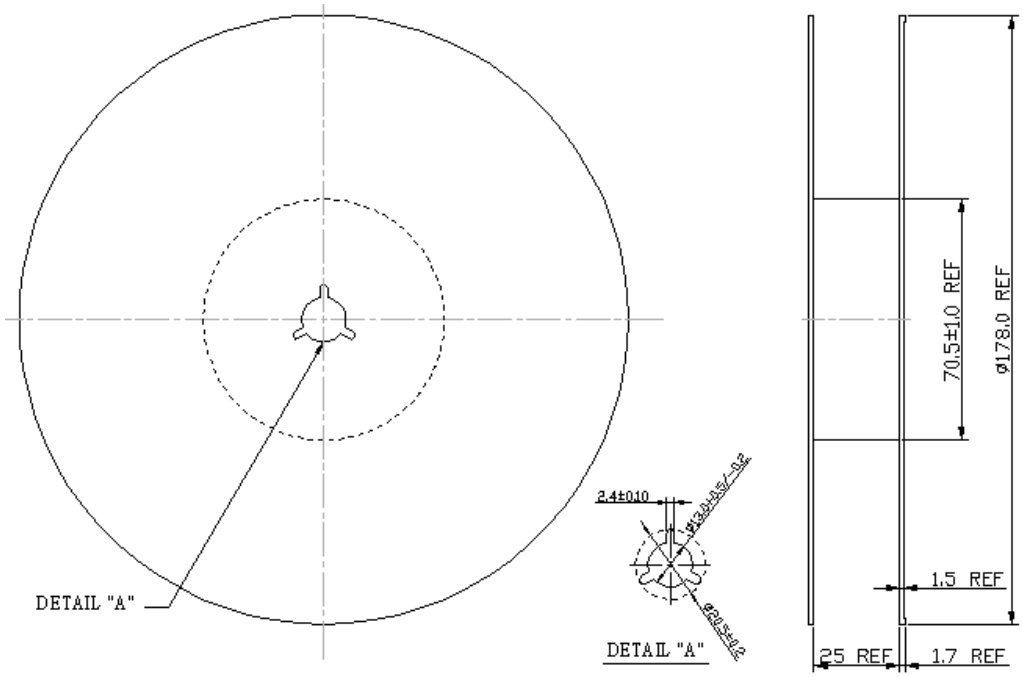
Fig 2: Horizontal: 3MHz/Div Vertical: 1dB/Div Vertical: 100nS/Div

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G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

