

SAW Filter 145.0MHz

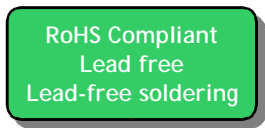
Model: TB0403A

Part No: MA07167

REV. NO.: 1

A. MAXIMUM RATING:

1. Operating Temperature: -40°C ~ +85 °C
2. Storage Temperature: -40°C ~ +85 °C



B. CHARACTERISTICS:

1. Ambient Temperature: 25°C

Characteristics	Value			Note.
	Min.		Max.	
Center frequency F_c MHz	-	145	-	-
Pass bandwidth (rel. attenuation $\leq 1.0\text{dB}$)	-	23	-	-
Maximum Insertion loss I.L. dB	-	14	16	-
3dB Bandwidth MHz	-	6.0	6.2	
20dB Bandwidth MHz	-	7.5	7.6	
40dB Bandwidth MHz	-	10	11	
Passband Ripple (143~147MHz) dB	-	0.8	1	-
Group Delay Ripple (143~147MHz) nS	-	90	-	-
Attenuation:(Reference level from minimum insertion loss)				
1) DC ~ 135 MHz	40	47	-	-
2) 135MHz ~ 139 MHz dB	40	44	-	-
3) 151MHz ~ 155 MHz dB	35	40	-	-
4) 155MHz ~ 255 MHz dB	40	43	-	-

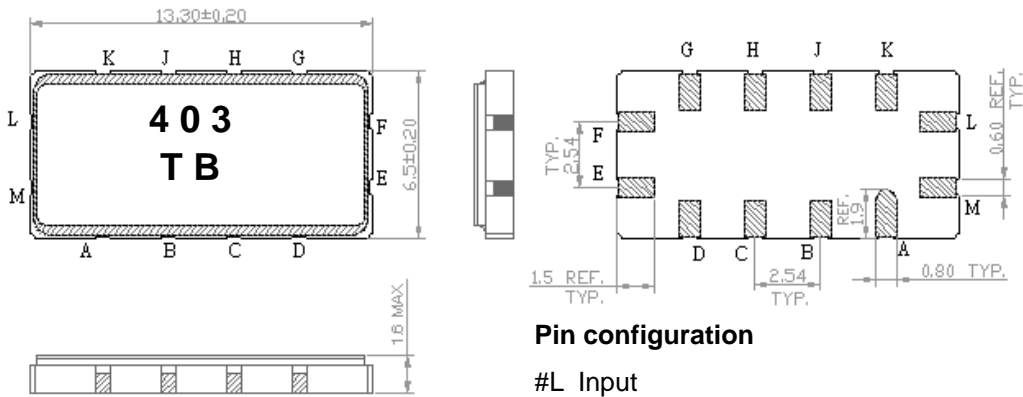
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C. OUTLINE DRAWING:



Pin configuration

#L Input

#M Input Ground

#E Output

#F Output Ground

#A,B,C,D,G,H,J,K To be grounded

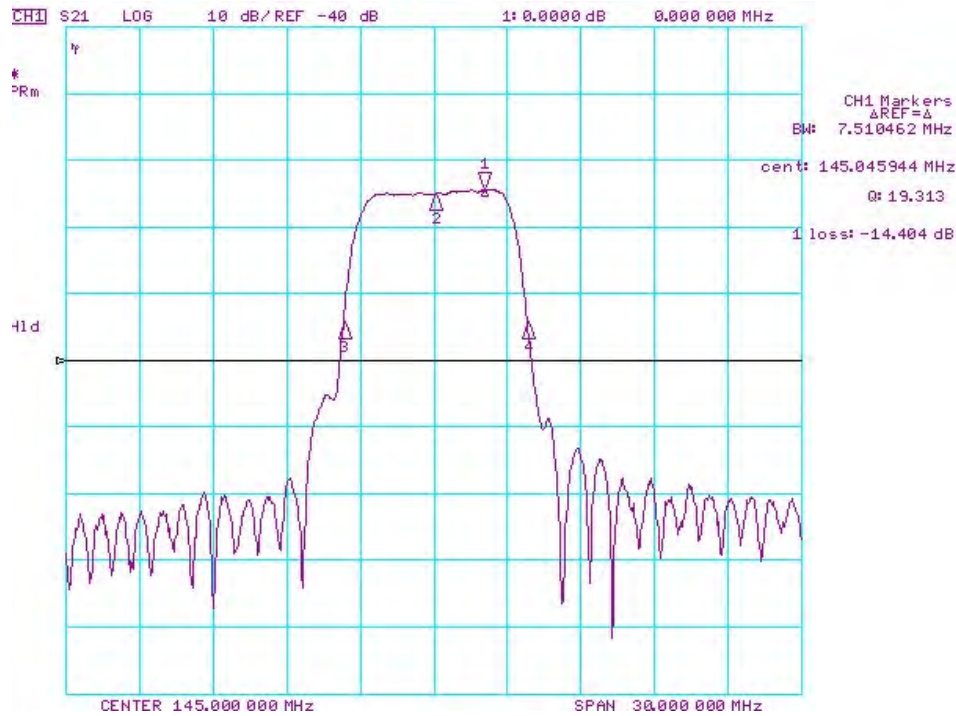
Unit mm

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D. FREQUENCY CHARACTERISTICS:

1. S21 Response



Horizontal : 3MHz/Div, Vertical: 10dB/Div

2. Pass band Ripple and Group Delay Ripple

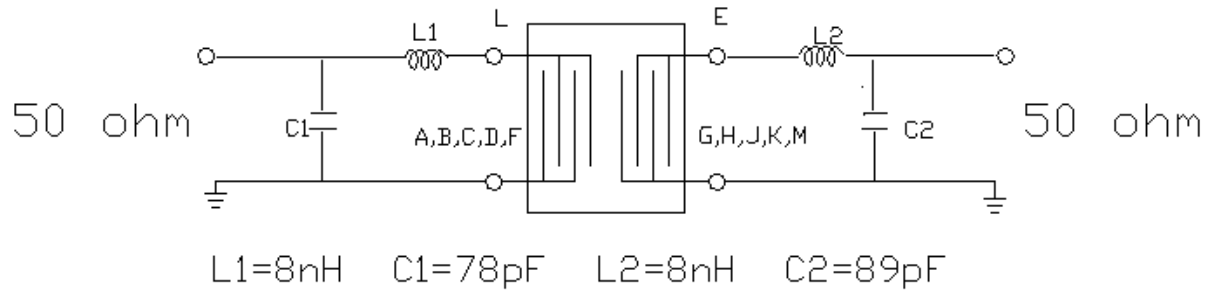


Horizontal : 0.8MHz/Div. Vertical: 1dB/Div. Vertical: 100nS/Div

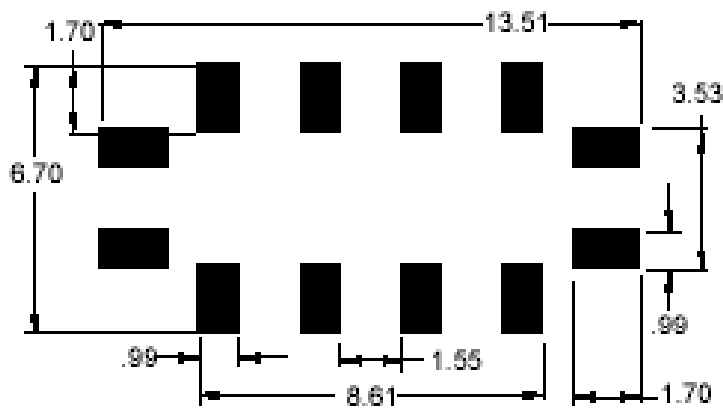
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E. TEST FIXTURE:



F. PCB FOOTPRINT



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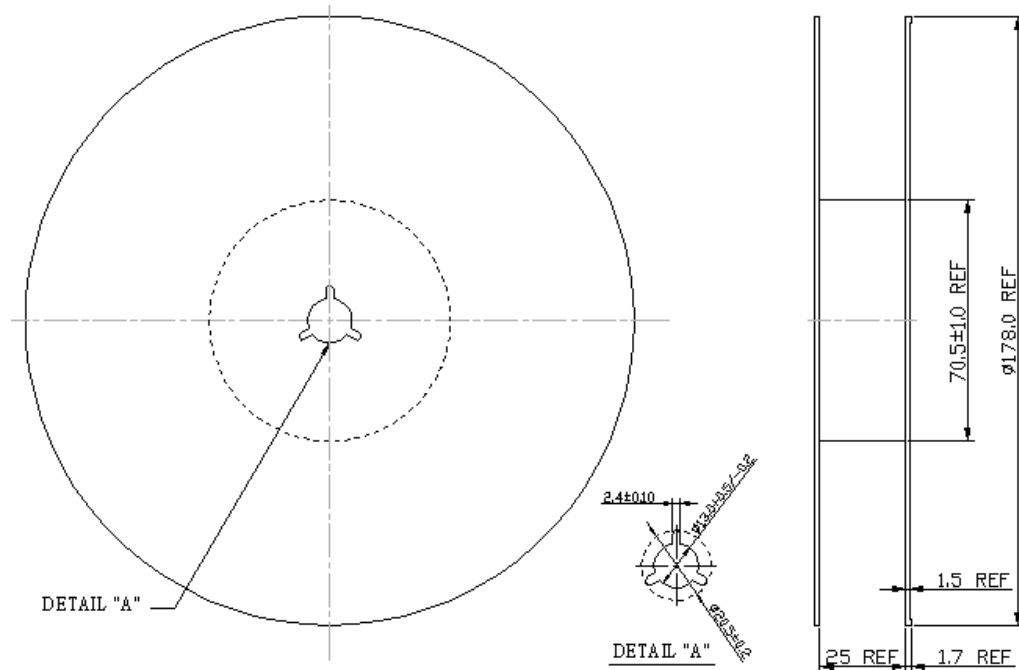
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G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

