

SAW Filter 190.0MHz

Model: TB0293A

Part No: **MA07913**

REV. NO.: 1

A. MAXIMUM RATING:

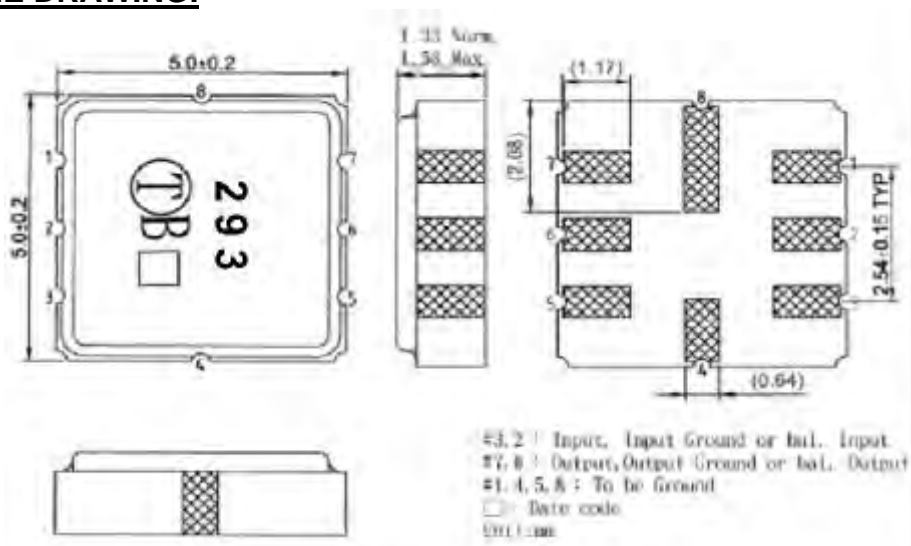
1. Operating Temperature: -40 °C ~ +80 °C
2. Storage Temperature: -40 °C ~ +85 °C

B. CHARACTERISTICS:

1. Ambient Temperature: 25 °

Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency F_c MHz	-	190	-	-
1dB Bandwidth MHz	10	15		
3dB Bandwidth MHz	-	18	-	-
Maximum Insertion loss I.L. dB	-	8.0	10	-
Passband Ripple (185~195MHz) dB	-	0.8	1	-
Group Delay Ripple (185~195MHz) nS	-	46	100	-
Attenuation:(Reference level from minimum insertion loss)				
1) DC ~ 100 MHz	45	54	-	-
2) 100 ~ 149 MHz dB	30	34	-	-
3) 190 ~ 250 MHz dB	30	34	-	-
4) 250~ 300 MHz dB	45	50	-	-

C. OUTLINE DRAWING:



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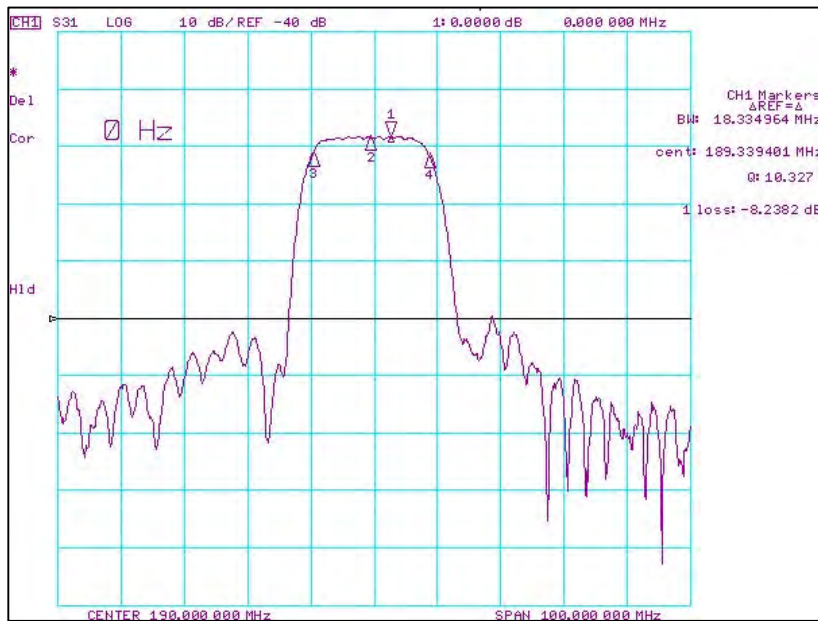
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C. FREQUENCY CHARACTERISTICS:

1. S21 Response



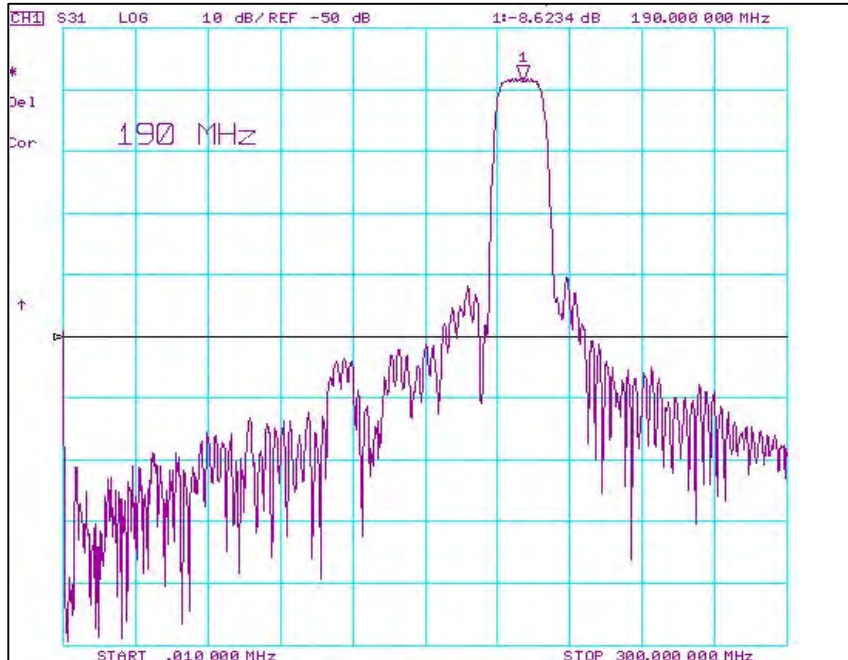
2. Pass band Ripple and Group Delay Ripple



SAW Filter 190.0MHz
Part No: MA07913

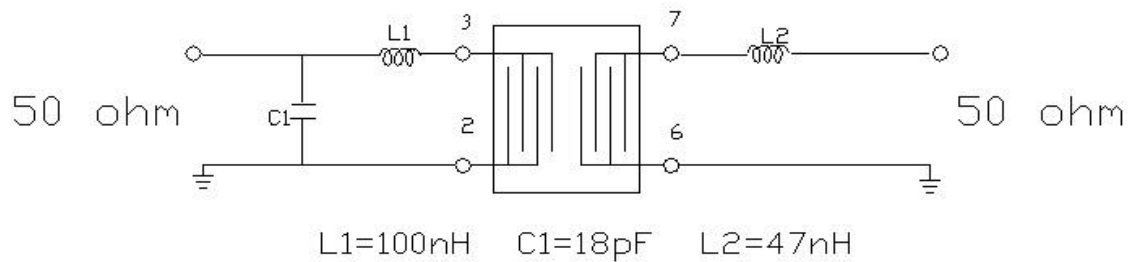
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3. Wide band Response

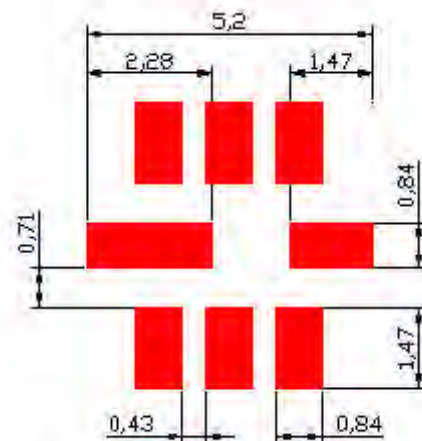


Horizontal : 10MHz~300MHz

E. TEST FIXTURE:



F. PCB FOOTPRINT:



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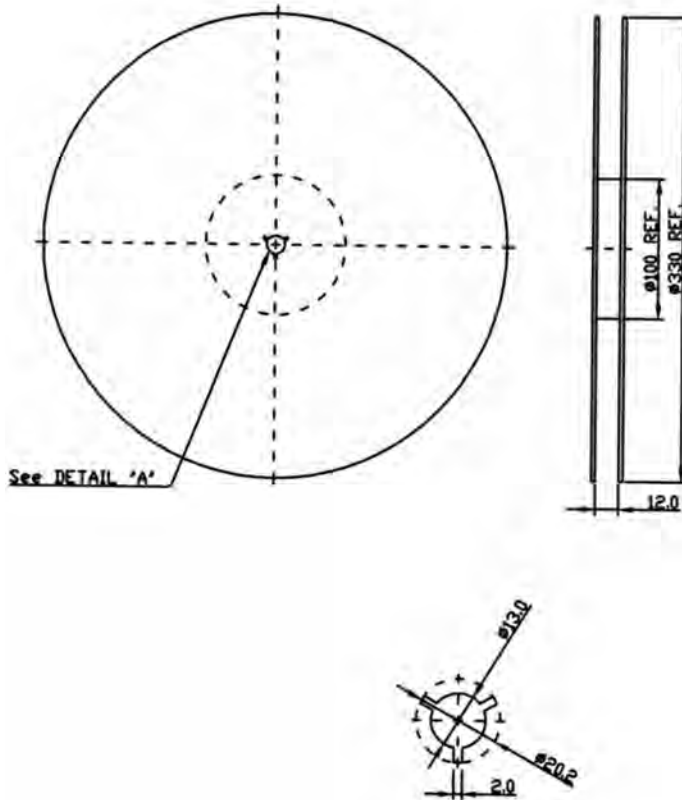
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G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

