

SAW Filter 70.0MHz

Model: TB0278A

Part No: MA06738

REV. NO.: 2

A. MAXIMUM RATING:

1. Operating Temperature: -0 °C ~ 70 °C
2. Storage Temperature: -40 °C ~ +85 °C

B. CHARACTERISTICS:

1. Ambient Temperature: 25 °C

Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency F_C MHz	-	70	-	-
Minimum Insertion loss I.L. dB	-	19	21.25	-
Lower 1 dB Band edge MHz	-	68.50	68.90	-
Upper 1 dB Band edge MHz	71.10	71.40	-	-
Lower 3 dB Band edge MHz		68.40	68.75	
Upper 3 dB Band edge MHz	71.25	71.56		
Lower 40 dB Band edge MHz	67.62	67.92		
Upper 40 dB Band edge MHz		72.30	72.6	
Passband Ripple (68.9~71.1MHz) dB	-	0.5	1	-
Group Delay Ripple (68.9~71.1MHz) nsec	-	130	150	-
Phase linearity (68.9~71.1MHz) deg	-	8	15	-
Attenuation:(Reference level from minimum insertion loss)				dB
1) 10 MHz....67.5 MHz dB	40	47	-	-
2) 72.5 MHz ~ 125 MHz dB	25	34	-	-
3) 125 MHz ~ 150 MHz dB	25	30	-	-
4) 150 MHz ~ 200 MHz dB	50	57	-	-

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C. FREQUENCY CHARACTERISTICS:

1. S21 Response

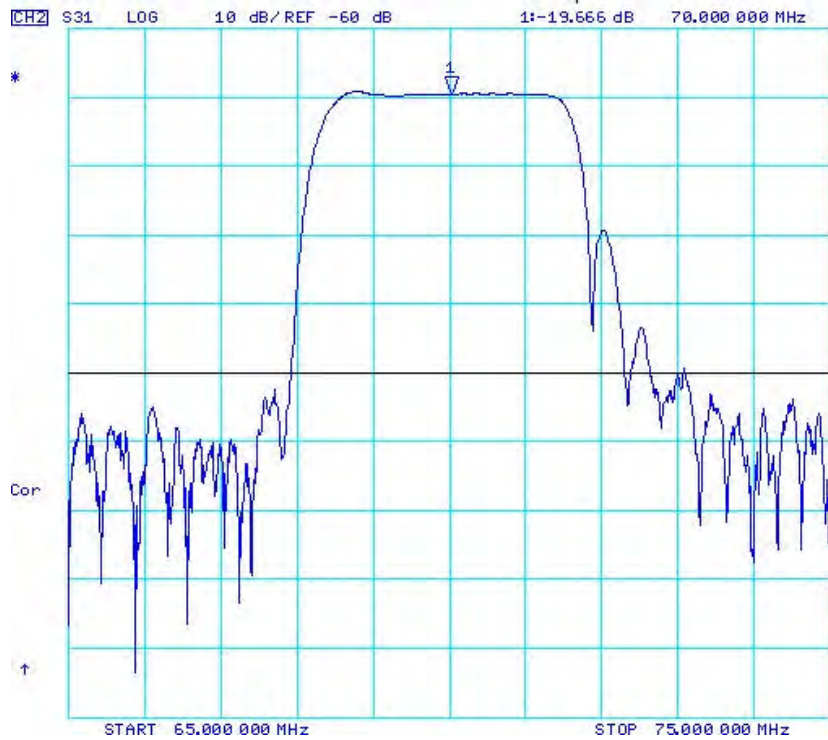


Fig-1 S21 Response Horizontal: 1MHz/Div Vertical: 10dB/Div. Reference: -50dB

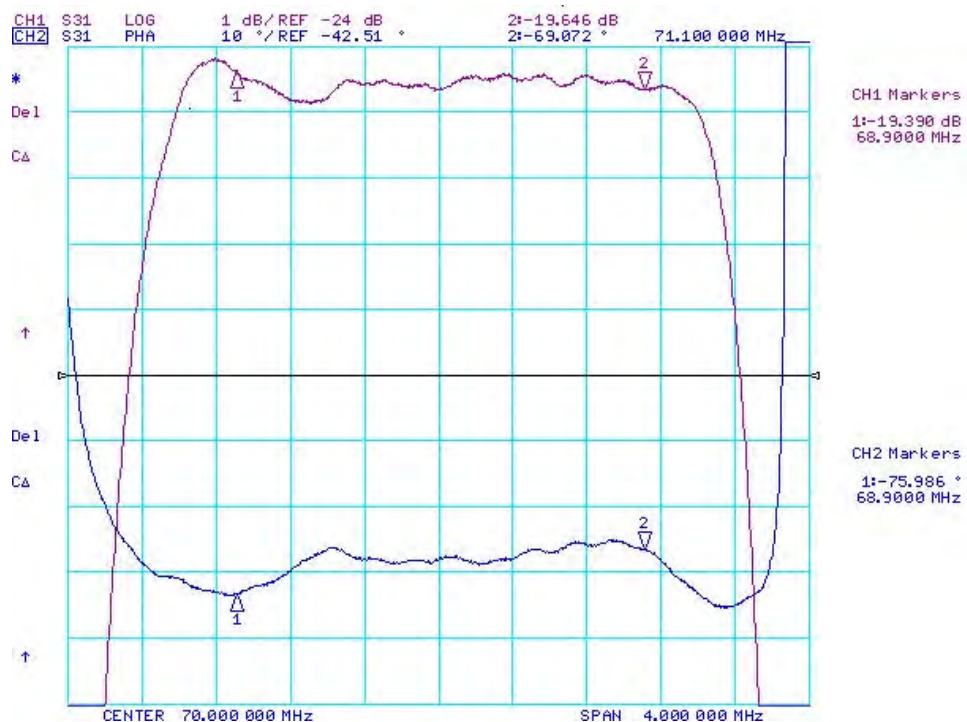
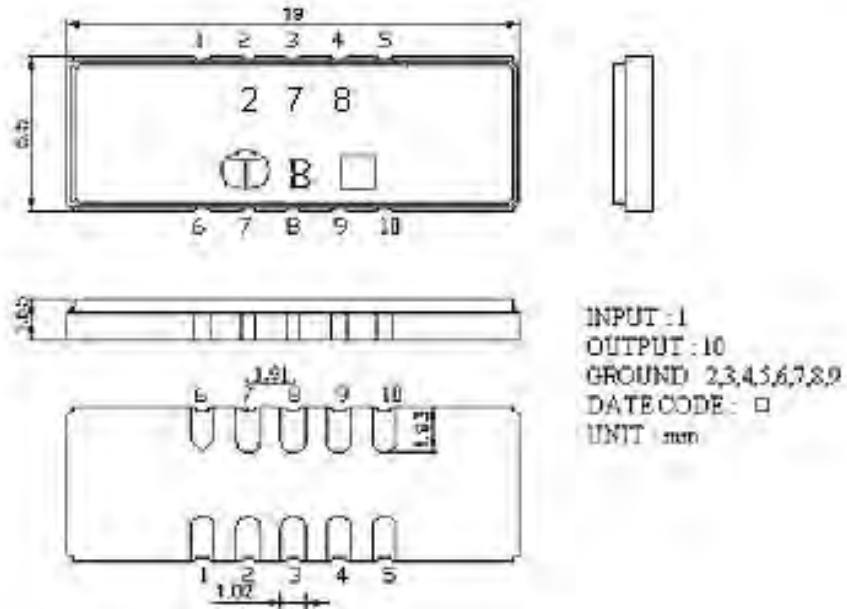


Fig-2 Phase linearity and Ripple, Horizontal:0.4MHz/Div. Vertical: 1 dB/Div Vertical: 10deg/Div

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D. OUTLINE DRAWING:



C. MEASUREMENT CIRCUIT:

