

SAW Filter 70.0MHz
Part No: MA06965

Model: TB0229A
REV. NO.: 1

A. MAXIMUM RATING:

1. Input Power Level: +20 dBm
2. Operating Temperature: -10°C to +70°C
3. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

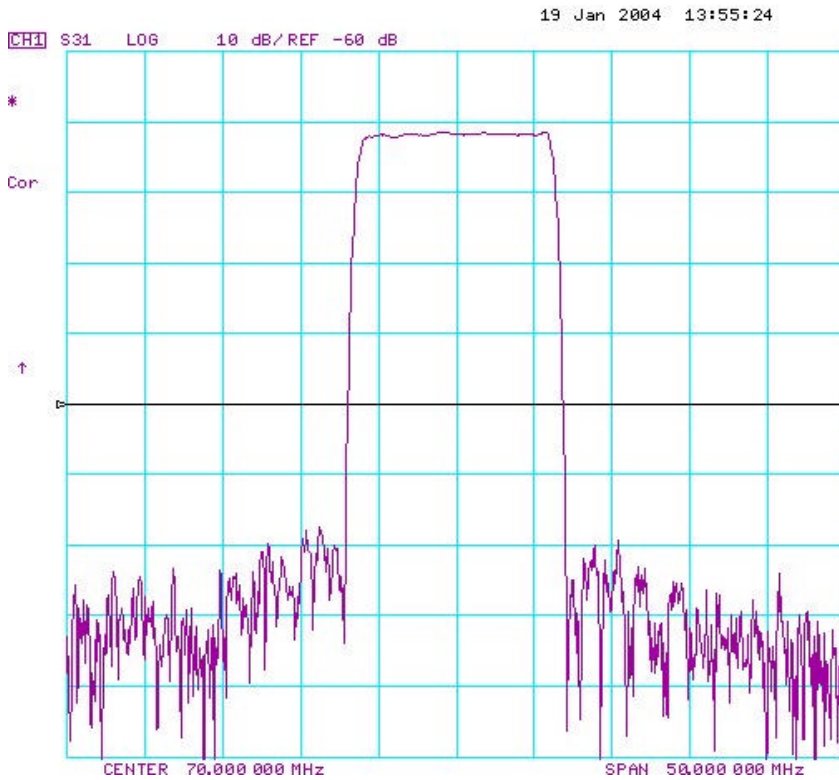
Parameters	Unit	Min.	Typical	Max.
Center frequency, Fc	MHz	69.9	70.0	70.1
Insertion Loss, IL	dB	-	23.0	26.0
1 dB Bandwidth	MHz	11.6	12.01	-
3 dB Bandwidth	MHz	12.1	12.39	-
40 dB Bandwidth	MHz	-	13.87	14.5
Relative Attenuation:				
10 to 62 MHz	dB	50	55	-
78 to 140 MHz	dB	50	55	-
Amplitude ripple within Fc ± 4.5 MHz	dB	-	0.8	1.0
Group delay ripple within Fc ± 4.5 MHz	nsec	-	40	70
Absolute Delay	µsec	-	2.28	-
Substrate Material	-	-	LN	-

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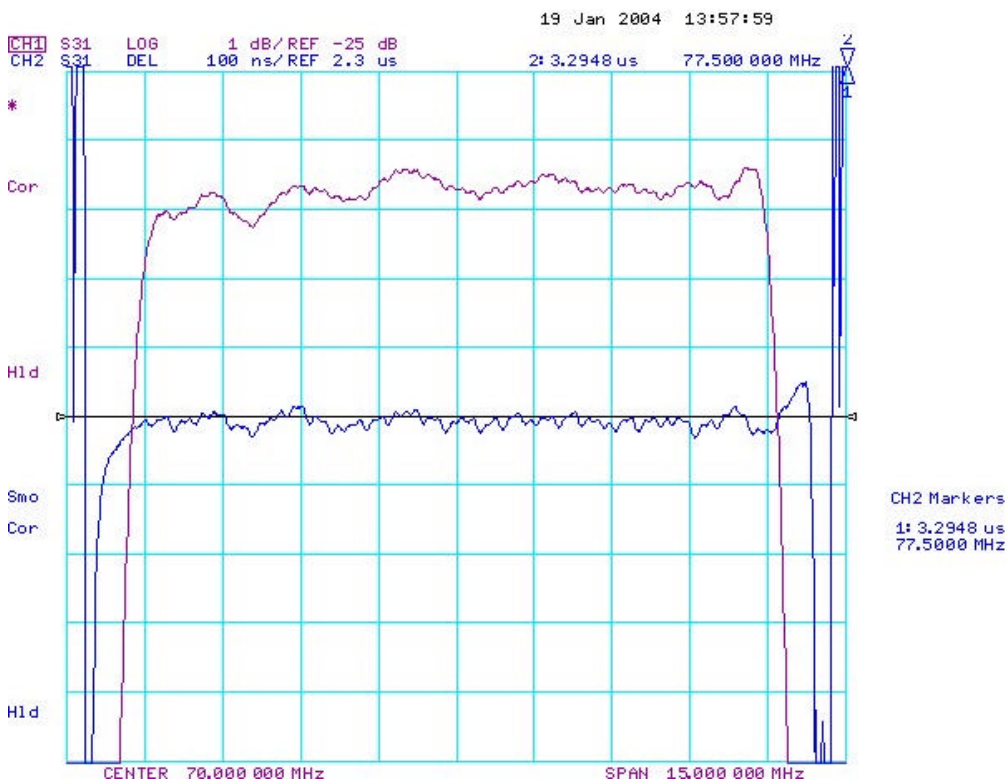
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C. FREQUENCY CHARACTERISTICS:

(1) Frequency Response



(2) Passband response and Group Delay Variation

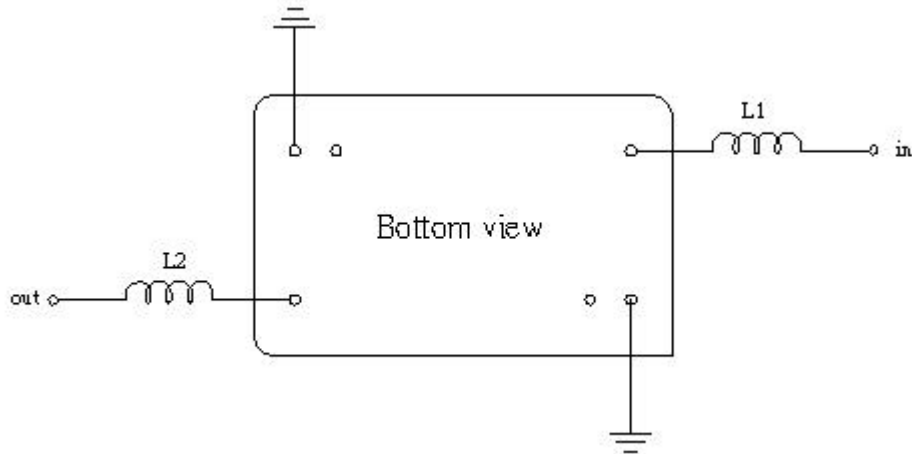


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D. MEASUREMENT CIRCUIT:

Source and load impedance: 50 Ω



L1=150 nH, L2=3.3 nH

E. OUTLINE DRAWING:

