
70.0MHz SAW Filter

Model: TB0228A

Part No: MA05813

REV NO.: 2

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:

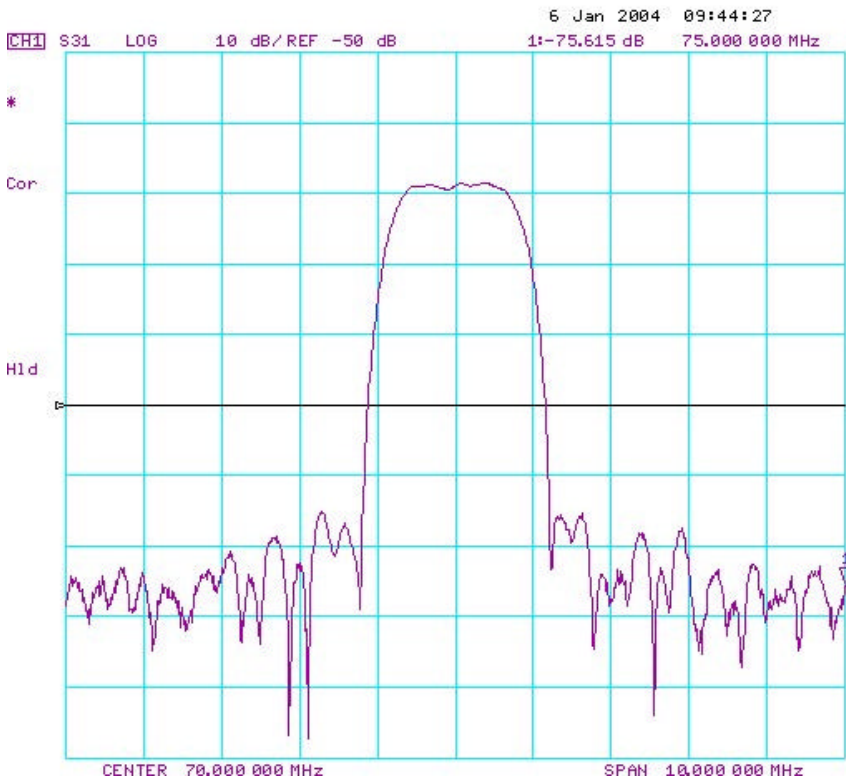
Parameters	Unit	Min.	Typical	Max.
Center frequency, Fc	MHz	69.97	70	70.03
Insertion Loss, IL	dB	-	20.0	22.0
1 dB Bandwidth	MHz	1.25	1.30	-
3 dB Bandwidth	MHz	1.4	1.5	-
40 dB Bandwidth	MHz	-	2.35	2.66
Relative Attenuation:				
10 to 68.3 MHz	dB	40	45	-
71.7 to 140 MHz	dB	40	45	-
Amplitude ripple within Fc ± 0.5 MHz	dB	-	0.8	1.0
Phase Linearity within Fc ± 0.5 MHz	°rms	-	1.54	2.00
Absolute Delay	usec	-	2.6	-
Substrate Material	-	-	Quartz	-

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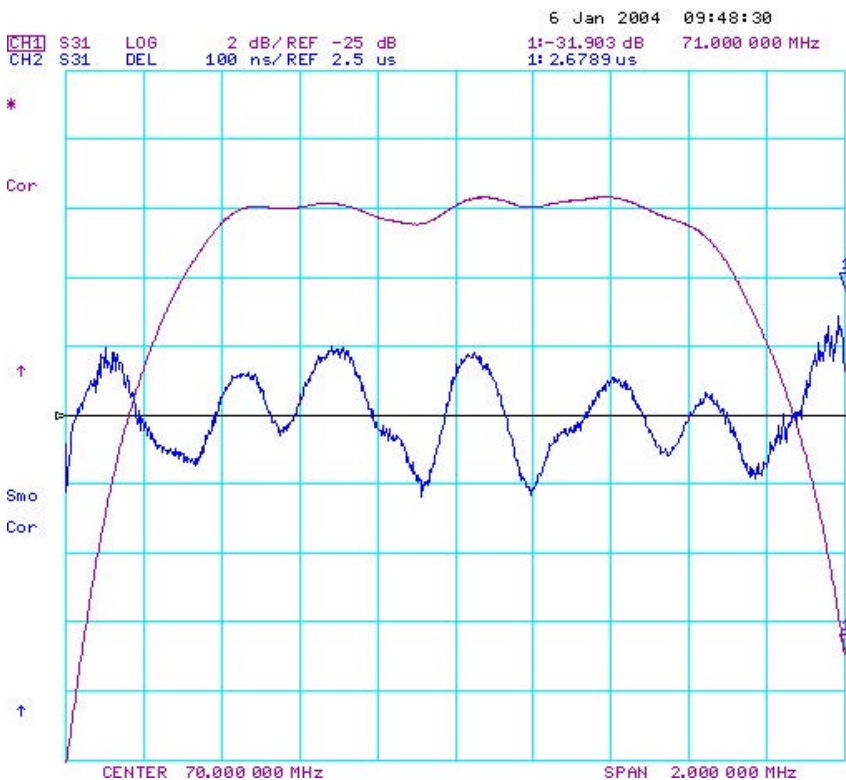
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C. FREQUENCY CHARACTERISTICS:

(1) Frequency Response



(2) Passband response and Group Delay Variation

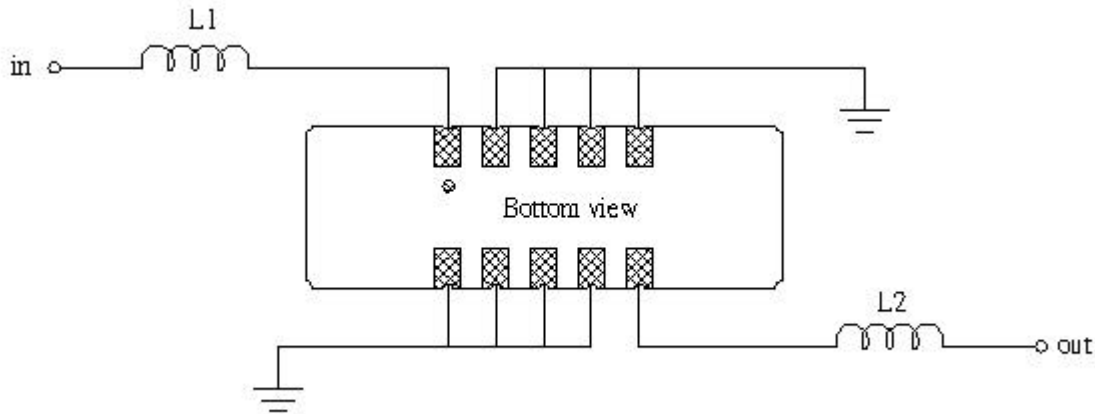


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D. MEASUREMENT CIRCUIT:

Source and load impedance: 50 Ω



L1=470 nH, L2=470 nH

E. OUTLINE DRAWING:

