

SAW Filter 140.0MHz

Model: TB0232A

Part No: MA08091

REV. NO.: 12

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	139.9	140.0	140.1
Insertion Loss, IL	dB	-	22.3	25.0
1 dB Bandwidth	MHz	11.2	11.6	-
3 dB Bandwidth	MHz	12.0	12.24	-
40 dB Bandwidth	MHz	-	14.56	15.0
Relative Attenuation:				
10 to 130 MHz	dB	40	55	-
150 to 280 MHz	dB	40	55	-
Amplitude ripple within Fc ± 5 MHz	dB	-	0.6	0.75
Group delay ripple within Fc ± 5 MHz	nsec	-	45	90
Absolute Delay	usec	-	1.62	-
Substrate Material	-	-	LN	-

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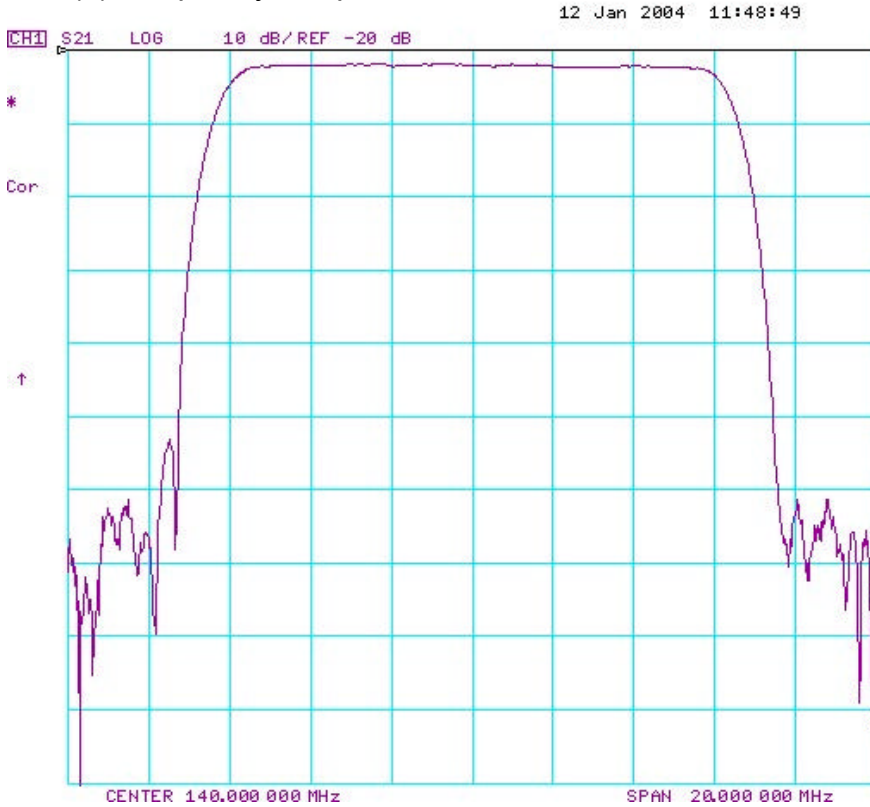
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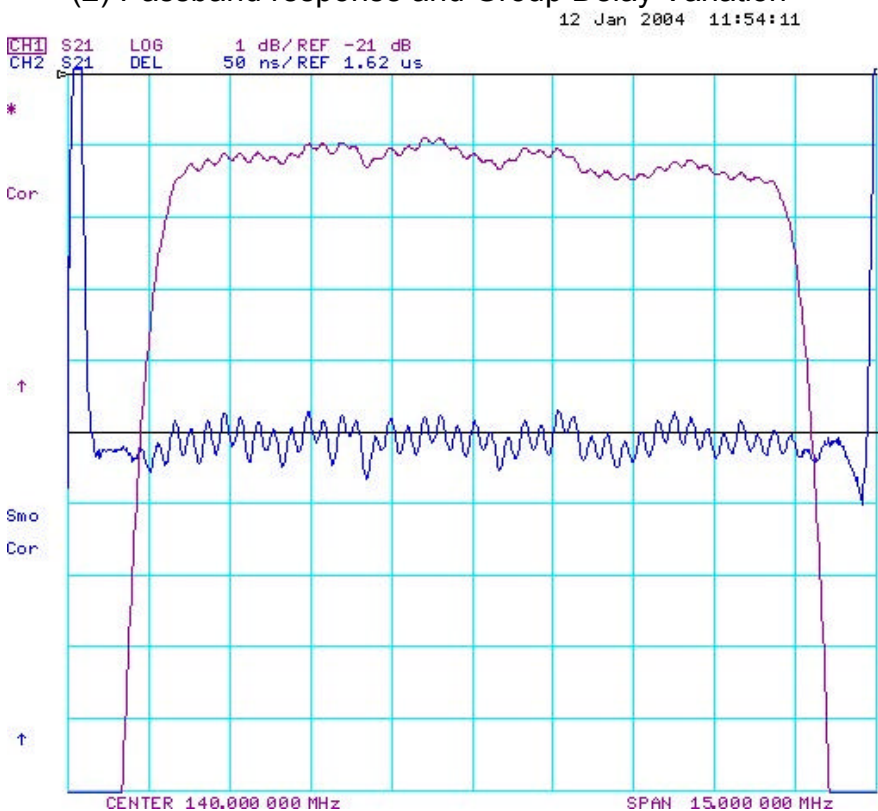
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C. FREQUENCY CHARACTERISTICS:

(1) Frequency Response



(2) Passband response and Group Delay Variation



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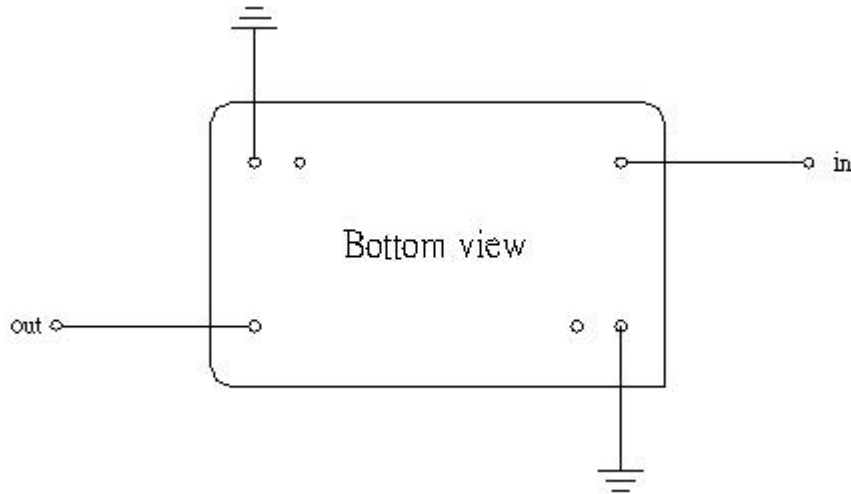
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D. MEASUREMENT CIRCUIT:

Source and load impedance: 50Ω



E. OUTLINE DRAWING:

