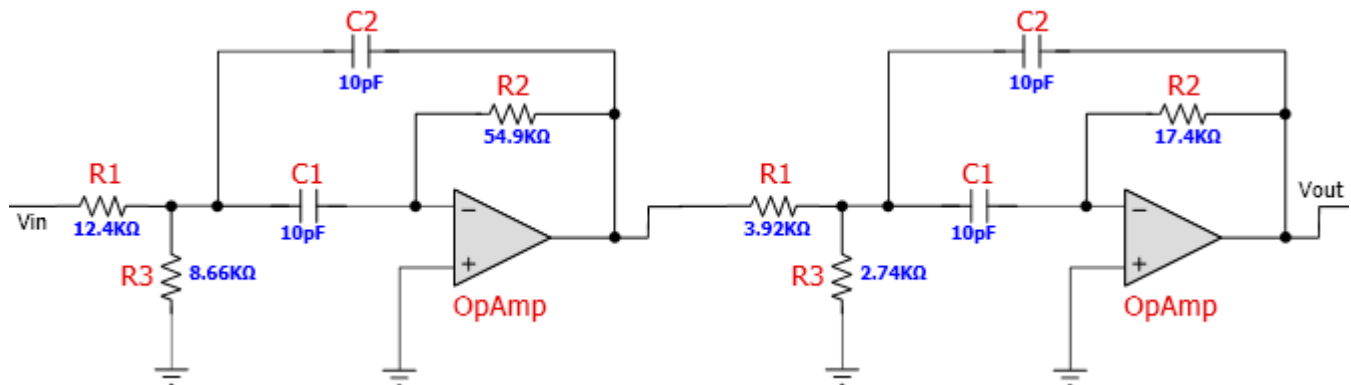


FilterPro Design Report

Schematic

Design Name: Bandpass, Multiple Feedback, Chebyshev 1 dB **Part:** Ideal Opamp **Order:** 4 Stages: 2
Gain: 1 V/V (0 dB) **Allowable PassBand Ripple:** 1 dB **Center Frequency:** 1.7 MHz
Corner Frequency Attenuation: 0 dB **Passband Bandwidth:** 2.2 MHz



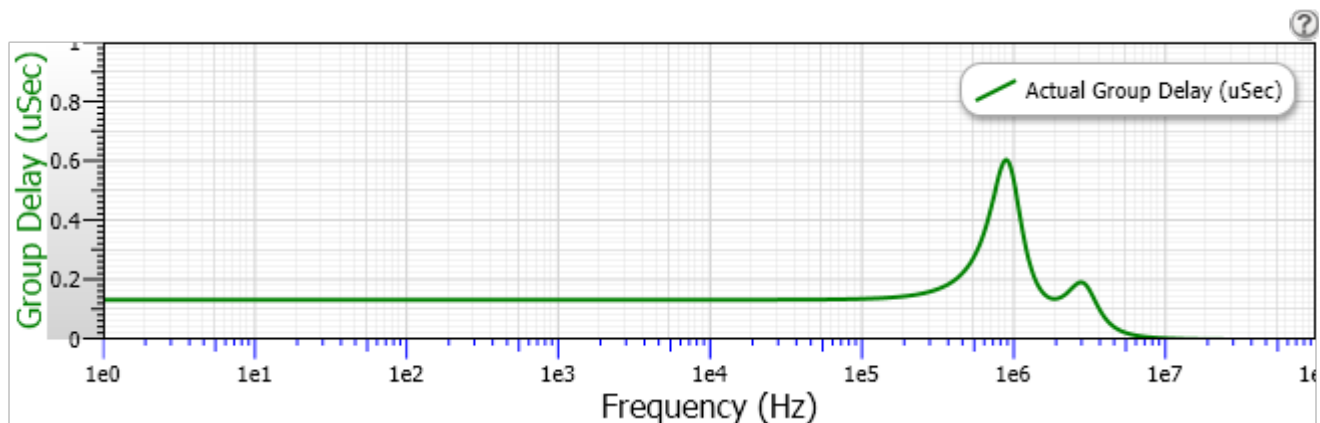
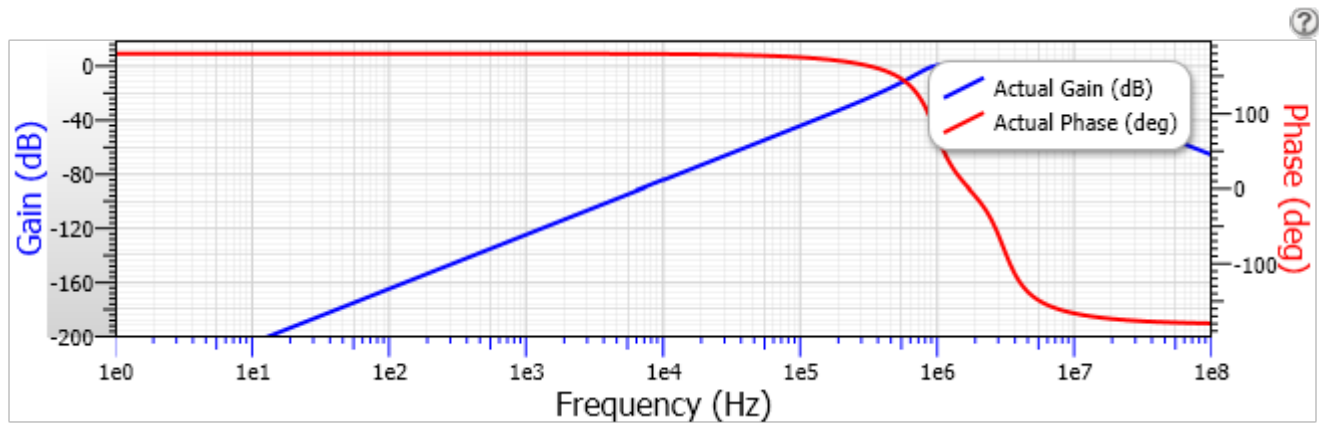
Filter Stage: 1
Passband Gain(A_o): 1
Center Frequency(f_o): 956.0618 kHz
QualityFactor (Q): 1.648
Passband BW. (BW): 580.2901 kHz
Filter Response: Chebyshev1dB
Circuit Topology: MultipleFeedback
Min GBW reqd.: 157.559 MHz

Filter Stage: 2
Passband Gain(A_o): 1
Center Frequency(f_o): 3.0228 MHz
QualityFactor (Q): 1.648
Passband BW. (BW): 1.8347 MHz
Filter Response: Chebyshev1dB
Circuit Topology: MultipleFeedback
Min GBW reqd.: 498.1602 MHz

FilterPro Design Report

Frequency and Phase Responses

Design Name: Bandpass, Multiple Feedback, Chebyshev 1 dB **Part:** Ideal Opamp **Order:** 4 **Stages:** 2
Gain: 1 V/V (0 dB) **Allowable PassBand Ripple:** 1 dB **Center Frequency:** 1.7 MHz
Corner Frequency Attenuation: 0 dB **Passband Bandwidth:** 2.2 MHz



FilterPro Design Report

Bill of Materials

Design Name: Bandpass, Multiple Feedback, Chebyshev 1 dB **Part:** Ideal Opamp **Order:** 4 **Stages:** 2
Gain: 1 V/V (0 dB) **Allowable PassBand Ripple:** 1 dB **Center Frequency:** 1.7 MHz
Corner Frequency Attenuation: 0 dB **Passband Bandwidth:** 2.2 MHz

Element ID	Quantity	Part Number	Value	Tolerance	Description	Manufacturer
R1 (Stage 1)	1	Standard	12.4KΩ	E96: 1%	Resistor	
R2 (Stage 1)	1	Standard	54.9KΩ	E96: 1%	Resistor	
R3 (Stage 1)	1	Standard	8.66KΩ	E96: 1%	Resistor	
C1 (Stage 1)	1	Standard	10pF	E12: 10%	Capacitor	
C2 (Stage 1)	1	Standard	10pF	E12: 10%	Capacitor	
OpAmp (Stage 1)	1	Standard			Ideal OpAmp	
R1 (Stage 2)	1	Standard	3.92KΩ	E96: 1%	Resistor	
R2 (Stage 2)	1	Standard	17.4KΩ	E96: 1%	Resistor	
R3 (Stage 2)	1	Standard	2.74KΩ	E96: 1%	Resistor	
C1 (Stage 2)	1	Standard	10pF	E12: 10%	Capacitor	
C2 (Stage 2)	1	Standard	10pF	E12: 10%	Capacitor	
OpAmp (Stage 2)	1	Standard			Ideal OpAmp	

FilterPro Design Report

Design Notes

Design Name: Bandpass, Multiple Feedback, Chebyshev 1 dB **Part:** Ideal Opamp **Order:** 4 **Stages:** 2
Gain: 1 V/V (0 dB) **Allowable PassBand Ripple:** 1 dB **Center Frequency:** 1.7 MHz
Corner Frequency Attenuation: 0 dB **Passband Bandwidth:** 2.2 MHz