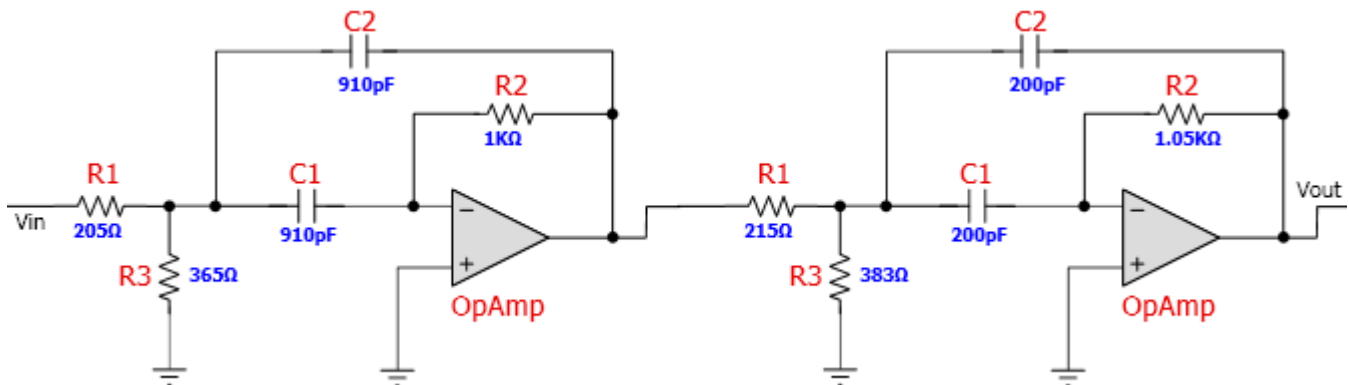


FilterPro Design Report

Schematic

Design Name: Bandpass, Multiple_Feedback, Chebyshev_1dB **Part:** Ideal Opamp **Order:** 4 Stages: 2
Gain: 1 V/V (0 dB) **Allowable PassBand Ripple:** 1 dB **Center Frequency:** 1 MHz
Corner Frequency Attenuation: -3 dB **Passband Bandwidth:** 1.7 MHz



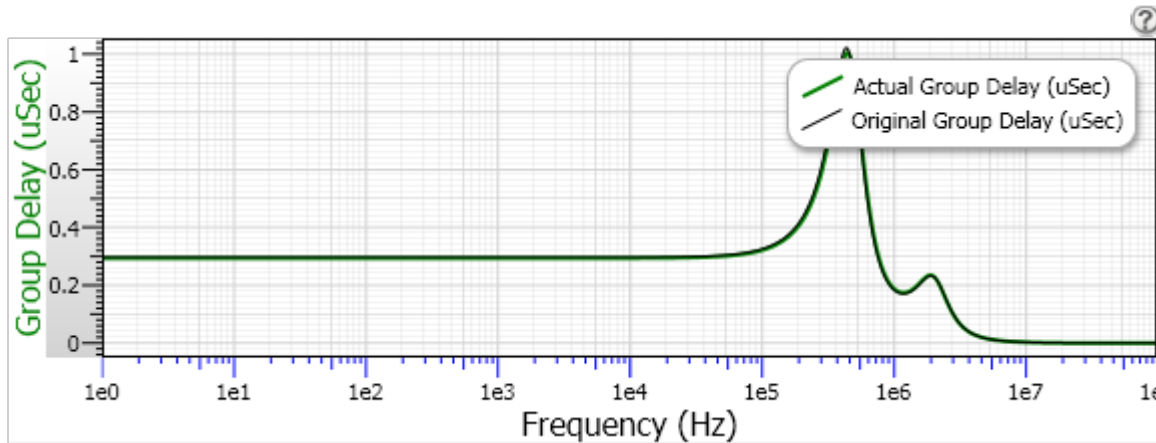
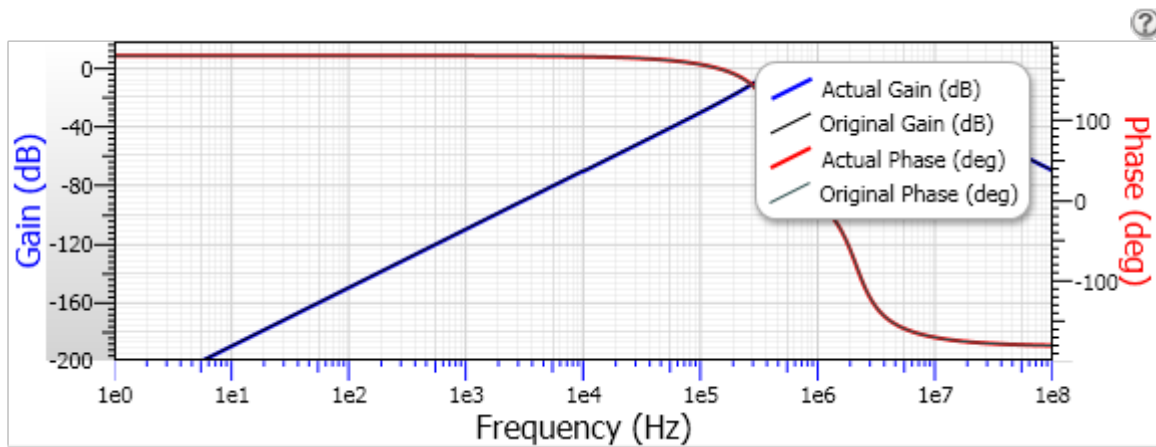
Filter Stage: 1
Passband Gain(Ao) : 1
Center Frequency(fo): 474.6682 kHz
QualityFactor (Q): 1.383
Passband BW. (BW): 343.1472 kHz
Filter Response: Chebyshev1dB
Circuit Topology: MultipleFeedback
Min GBW reqd.: 65.6466 MHz

Filter Stage: 2
Passband Gain(Ao) : 1
Center Frequency(fo): 2.1067 MHz
QualityFactor (Q): 1.383
Passband BW. (BW): 1.523 MHz
Filter Response: Chebyshev1dB
Circuit Topology: MultipleFeedback
Min GBW reqd.: 291.3614 MHz

FilterPro Design Report

Frequency and Phase Responses

Design Name: Bandpass, Multiple_Feedback, Chebyshev_1dB **Part:** Ideal Opamp **Order:** 4 **Stages:** 2
Gain: 1 V/V (0 dB) **Allowable PassBand Ripple:** 1 dB **Center Frequency:** 1 MHz
Corner Frequency Attenuation: -3 dB **Passband Bandwidth:** 1.7 MHz



FilterPro Design Report

Bill of Materials

Design Name: Bandpass, Multiple_Feedback, Chebyshev_1dB **Part:** Ideal Opamp **Order:** 4 **Stages:** 2
Gain: 1 V/V (0 dB) **Allowable PassBand Ripple:** 1 dB **Center Frequency:** 1 MHz
Corner Frequency Attenuation: -3 dB **Passband Bandwidth:** 1.7 MHz

Element ID	Quantity	Part Number	Value	Tolerance	Description	Manufacturer
R1 (Stage 1)	1	Standard	205Ω	E96: 1%	Resistor	
R2 (Stage 1)	1	Standard	1KΩ	E96: 1%	Resistor	
R3 (Stage 1)	1	Standard	365Ω	E96: 1%	Resistor	
C1 (Stage 1)	1	Standard	910pF	E24: 5%	Capacitor	
C2 (Stage 1)	1	Standard	910pF	E24: 5%	Capacitor	
OpAmp (Stage 1)	1	Standard			Ideal OpAmp	
R1 (Stage 2)	1	Standard	215Ω	E96: 1%	Resistor	
R2 (Stage 2)	1	Standard	1.05KΩ	E96: 1%	Resistor	
R3 (Stage 2)	1	Standard	383Ω	E96: 1%	Resistor	
C1 (Stage 2)	1	Standard	200pF	E24: 5%	Capacitor	
C2 (Stage 2)	1	Standard	200pF	E24: 5%	Capacitor	
OpAmp (Stage 2)	1	Standard			Ideal OpAmp	

FilterPro Design Report

Design Notes

Design Name: Bandpass, Multiple_Feedback, Chebyshev_1dB **Part:** Ideal Opamp **Order:** 4 **Stages:** 2
Gain: 1 V/V (0 dB) **Allowable PassBand Ripple:** 1 dB **Center Frequency:** 1 MHz
Corner Frequency Attenuation: -3 dB **Passband Bandwidth:** 1.7 MHz