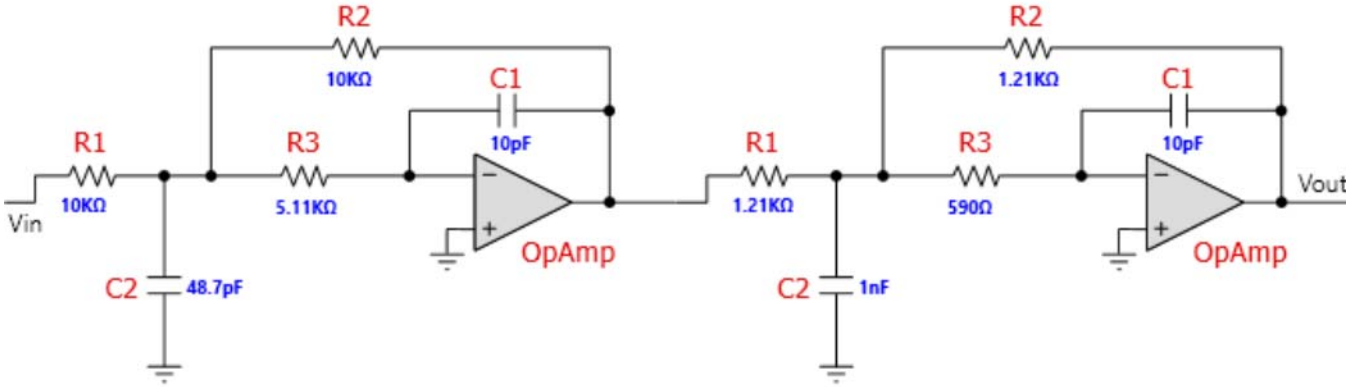
FilterPro Design Report
Schematic

Design Name: Lowpass, Multiple Feedback, Chebyshev 1 dB **Part:** Ideal Opamp **Order:** 4 **Stages:** 2
Gain: 1 V/V (0 dB) **Allowable PassBand Ripple:** 1 dB **Passband Frequency:** 1.9 MHz
Corner Frequency Attenuation: 0 dB



Filter Stage:	1
Passband Gain(Ao) :	1
Cutoff Frequency(fn):	1.0043 MHz
QualityFactor (Q):	0.785
Filter Response:	Chebyshev1dB
Circuit Topology:	MultipleFeedback
Min GBW reqd.:	78.8379 MHz

Filter Stage:	2
Passband Gain(Ao) :	1
Cutoff Frequency(fn):	1.8871 MHz
QualityFactor (Q):	3.559
Filter Response:	Chebyshev1dB
Circuit Topology:	MultipleFeedback
Min GBW reqd.:	671.6317 MHz

FilterPro Design Report
Frequency and Phase Responses

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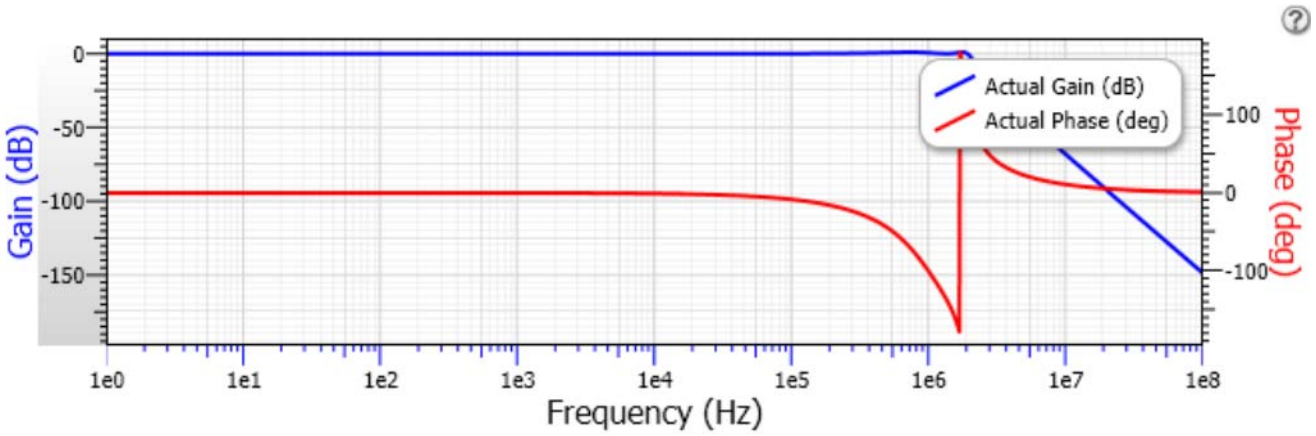
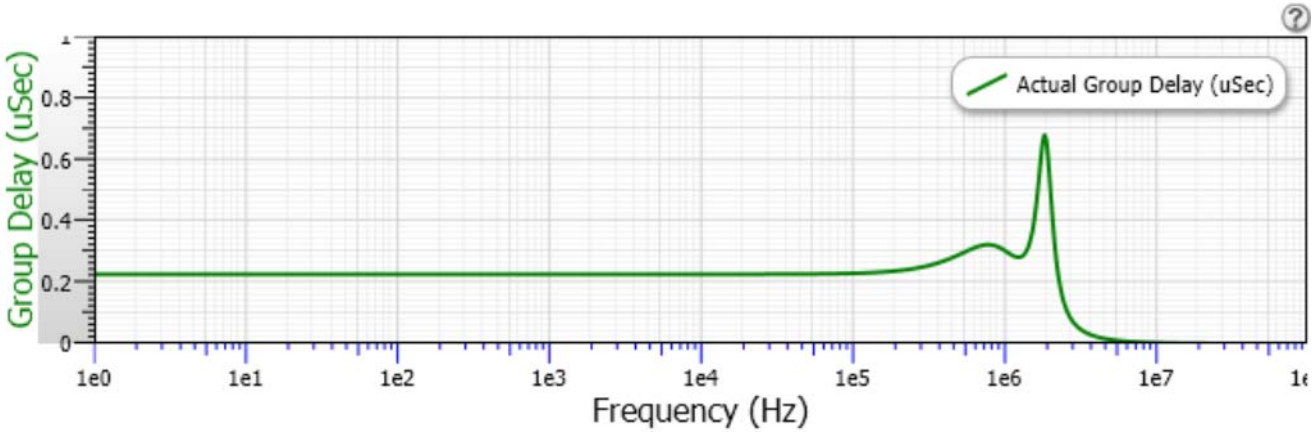
Gain: 1 V/V (0 dB) **Allowable PassBand Ripple:** 1 dB **Passband Frequency:** 1.9 MHz
Corner Frequency Attenuation: 0 dB





FilterPro Design Report
Bill of Materials

Design Name: Lowpass, Multiple Feedback, Chebyshev 1 dB **Part:** Ideal Opamp **Order:** 4 **Stages:** 2
Gain: 1 V/V (0 dB) **Allowable PassBand Ripple:** 1 dB **Passband Frequency:** 1.9 MHz
Corner Frequency Attenuation: 0 dB

Element ID	Quantity	Part Number	Value	Tolerance	Description	Manufacturer
R1 (Stage 1)	1	Standard	10KΩ	E48: 2%	Resistor	
R2 (Stage 1)	1	Standard	10KΩ	E48: 2%	Resistor	
R3 (Stage 1)	1	Standard	5.11KΩ	E48: 2%	Resistor	
C1 (Stage 1)	1	Standard	10pF	E48: 2%	Capacitor	
C2 (Stage 1)	1	Standard	48.7pF	E48: 2%	Capacitor	
OpAmp (Stage 1)	1	Standard			Ideal OpAmp	
R1 (Stage 2)	1	Standard	1.21KΩ	E48: 2%	Resistor	
R2 (Stage 2)	1	Standard	1.21KΩ	E48: 2%	Resistor	
R3 (Stage 2)	1	Standard	590Ω	E48: 2%	Resistor	
C1 (Stage 2)	1	Standard	10pF	E48: 2%	Capacitor	
C2 (Stage 2)	1	Standard	1nF	E48: 2%	Capacitor	
OpAmp (Stage 2)	1	Standard			Ideal OpAmp	

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Design Notes

Design Name: Lowpass, Multiple Feedback, Chebyshev 1 dB **Part:** Ideal Opamp **Order:** 4 **Stages:** 2
Gain: 1 V/V (0 dB) **Allowable PassBand Ripple:** 1 dB **Passband Frequency:** 1.9 MHz
Corner Frequency Attenuation: 0 dB