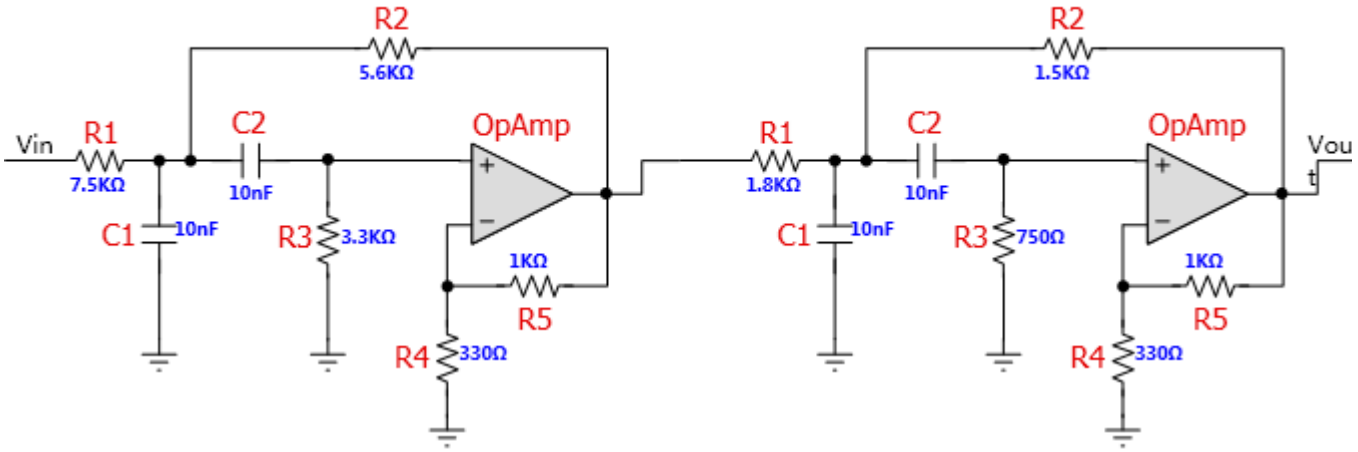
FilterPro Design Report
Schematic

Design Name: Bandpass, Sallen_Key, Chebychev_05dB **Part:** Ideal Opamp **Order:** 4 **Stages:** 2
Gain: 1 V/V (0 dB) **Allowable PassBand Ripple:** 0.5 dB **Center Frequency:** 10.01 kHz
Corner Frequency Attenuation: -3 dB **Passband Bandwidth:** 19.98 kHz



Filter Stage:	1
Passband Gain (Ao) :	1
Center Frequency (fo):	4.8582 kHz
QualityFactor (Q):	1.243
Passband BW. (BW):	3.9074 kHz
Filter Response:	Chebychev05dB
Circuit Topology:	SallenKey
Min GBW reqd.:	603.8779 kHz

Filter Stage:	2
Passband Gain (Ao) :	1
Center Frequency (fo):	20.6248 kHz
QualityFactor (Q):	1.243
Passband BW. (BW):	16.5881 kHz
Filter Response:	Chebychev05dB
Circuit Topology:	SallenKey
Min GBW reqd.:	2.5637 MHz

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Frequency and Phase Responses

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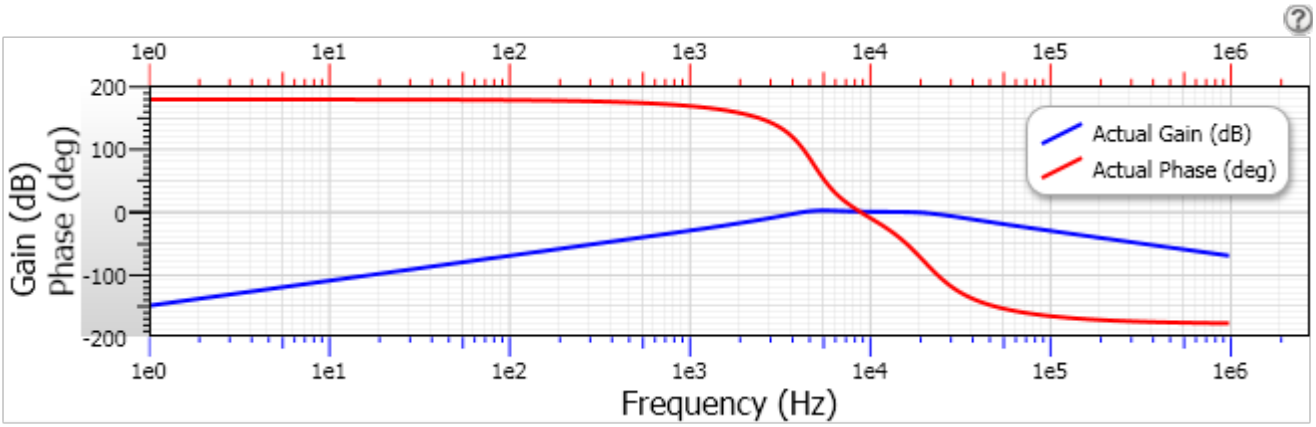

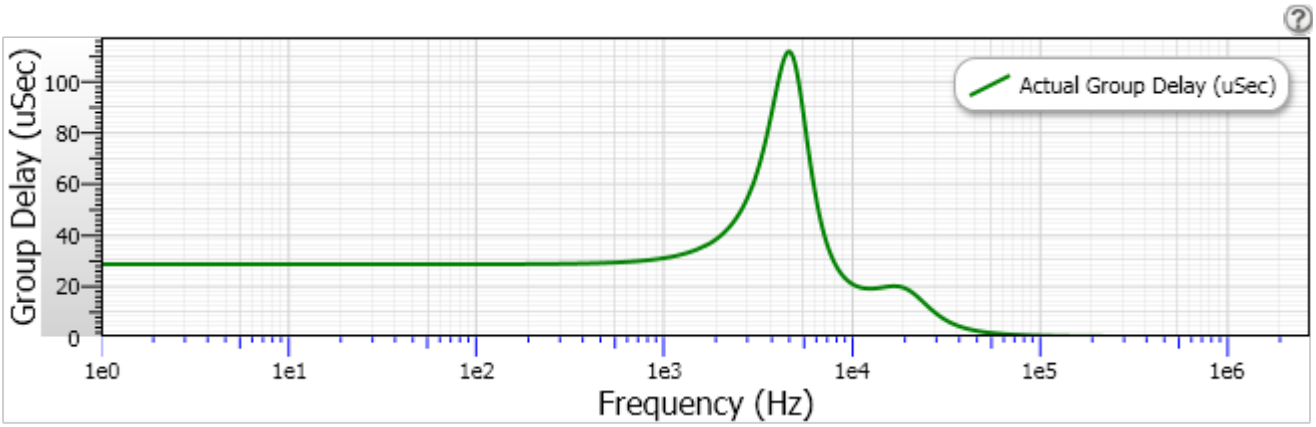

FilterPro Design Report
Bill of Materials

Design Name: Bandpass, Sallen_Key, Chebychev_05dB **Part:** Ideal Opamp **Order:** 4 **Stages:** 2
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Element ID	Quantity	Part Number	Value	Tolerance	Description	Manufacturer
R1 (Stage 1)	1	Standard	7.5KΩ	E24: 5%	Resistor	
R2 (Stage 1)	1	Standard	5.6KΩ	E24: 5%	Resistor	
R3 (Stage 1)	1	Standard	3.3KΩ	E24: 5%	Resistor	
C1 (Stage 1)	1	Standard	10nF	E24: 5%	Capacitor	
C2 (Stage 1)	1	Standard	10nF	E24: 5%	Capacitor	
R4 (Stage 1)	1	Standard	330Ω	E24: 5%	Resistor	
R5 (Stage 1)	1	Standard	1KΩ	E24: 5%	Resistor	
OpAmp (Stage 1)	1	Standard			Ideal OpAmp	
R1 (Stage 2)	1	Standard	1.8KΩ	E24: 5%	Resistor	
R2 (Stage 2)	1	Standard	1.5KΩ	E24: 5%	Resistor	
R3 (Stage 2)	1	Standard	750Ω	E24: 5%	Resistor	
C1 (Stage 2)	1	Standard	10nF	E24: 5%	Capacitor	
C2 (Stage 2)	1	Standard	10nF	E24: 5%	Capacitor	
R4 (Stage 2)	1	Standard	330Ω	E24: 5%	Resistor	
R5 (Stage 2)	1	Standard	1KΩ	E24: 5%	Resistor	
OpAmp (Stage 2)	1	Standard			Ideal OpAmp	

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Design Notes

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