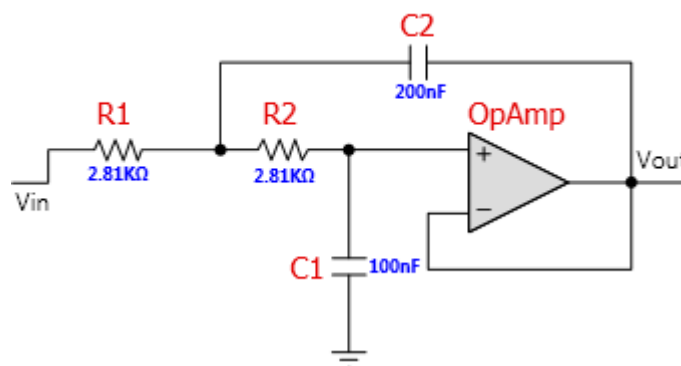


FilterPro Design Report Schematic

Design Name: Lowpass, Sallen Key, Butterworth **Part:** Ideal Opamp **Order:** 2 Stages: 1
Gain: 1 V/V (0 dB) **Allowable PassBand Ripple:** 3 dB **Passband Frequency:** 400 Hz
Corner Frequency Attenuation: -3 dB **Stopband Attenuation:** -36 dB **Stopband Frequency:** 3.2 kHz

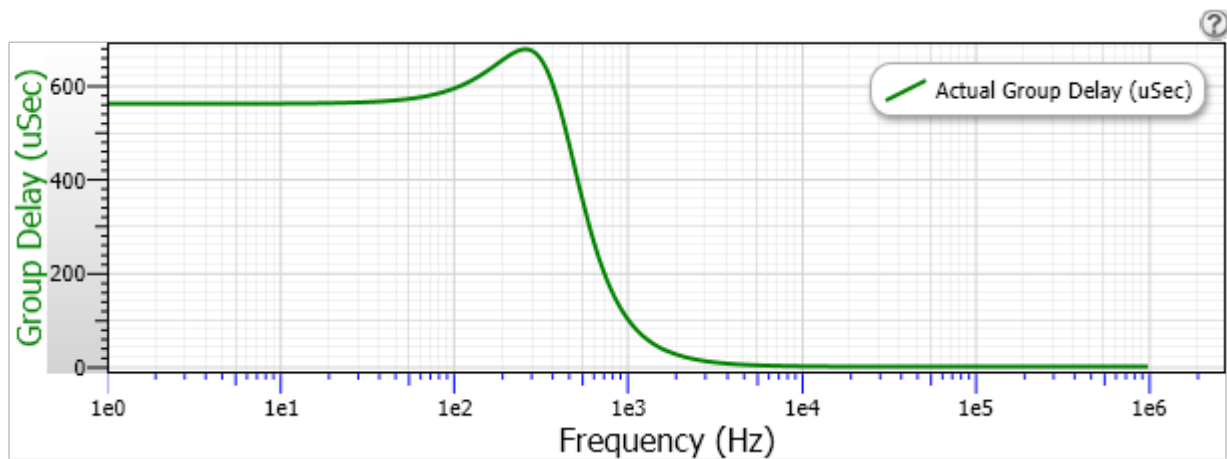
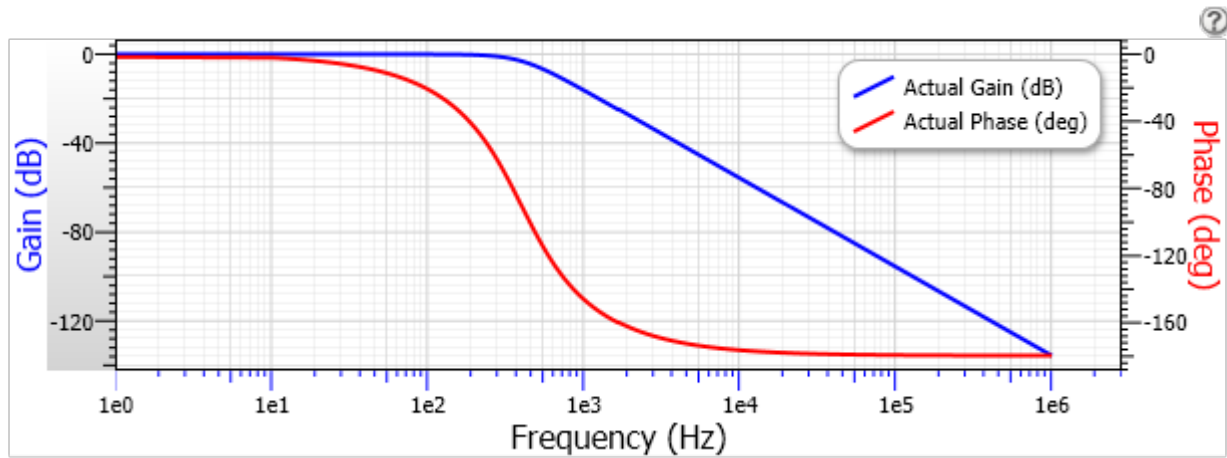


Filter Stage:	1
Passband Gain(A_o):	1
Cutoff Frequency(f_n):	400 Hz
QualityFactor (Q):	0.71
Filter Response:	Butterworth
Circuit Topology:	SallenKey
Min GBW reqd.:	28.4 kHz

FilterPro Design Report

Frequency and Phase Responses

Design Name: Lowpass, Sallen Key, Butterworth **Part:** Ideal Opamp **Order:** 2 **Stages:** 1
Gain: 1 V/V (0 dB) **Allowable PassBand Ripple:** 3 dB **Passband Frequency:** 400 Hz
Corner Frequency Attenuation: -3 dB **Stopband Attenuation:** -36 dB **Stopband Frequency:** 3.2 kHz



FilterPro Design Report

Bill of Materials

Design Name: Lowpass, Sallen Key, Butterworth **Part:** Ideal Opamp **Order:** 2 **Stages:** 1
Gain: 1 V/V (0 dB) **Allowable PassBand Ripple:** 3 dB **Passband Frequency:** 400 Hz
Corner Frequency Attenuation: -3 dB **Stopband Attenuation:** -36 dB **Stopband Frequency:** 3.2 kHz

Element ID	Quantity	Part Number	Value	Tolerance	Description	Manufacturer
R1 (Stage 1)	1	Standard	2.81K Ω	Exact: 0%	Resistor	
R2 (Stage 1)	1	Standard	2.81K Ω	Exact: 0%	Resistor	
C1 (Stage 1)	1	Standard	100nF	Exact: 0%	Capacitor	
C2 (Stage 1)	1	Standard	200nF	Exact: 0%	Capacitor	
OpAmp (Stage 1)	1	Standard			Ideal OpAmp	

FilterPro Design Report

Design Notes

Design Name: Lowpass, Sallen Key, Butterworth **Part:** Ideal Opamp **Order:** 2 **Stages:** 1
Gain: 1 V/V (0 dB) **Allowable PassBand Ripple:** 3 dB **Passband Frequency:** 400 Hz
Corner Frequency Attenuation: -3 dB **Stopband Attenuation:** -36 dB **Stopband Frequency:** 3.2 kHz