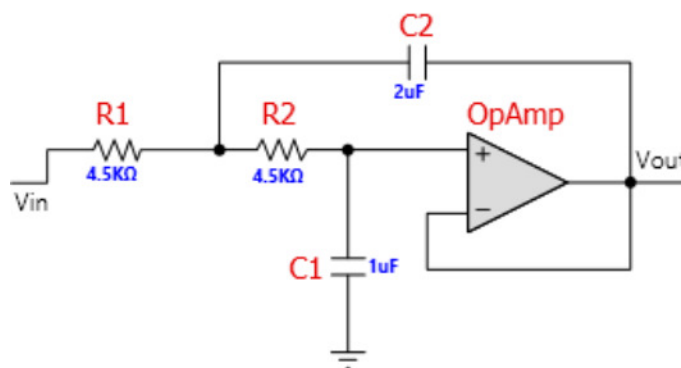


## FilterPro Design Report Schematic

**Design Name:** Lowpass, Sallen Key, Butterworth **Part:** Ideal Opamp **Order:** 2 Stages: 1  
**Gain:** 1 V/V (0 dB) **Passband Frequency:** 25 Hz **Corner Frequency Attenuation:** -3 dB  
**Stopband Attenuation:** -12 dB **Stopband Frequency:** 50 Hz

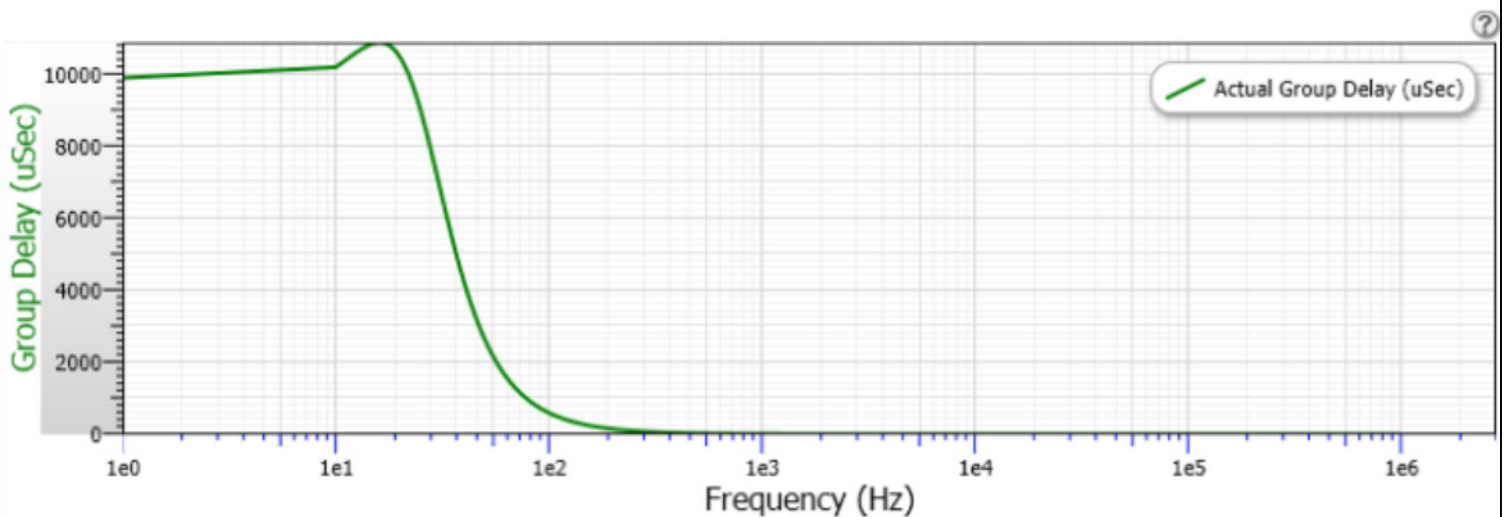
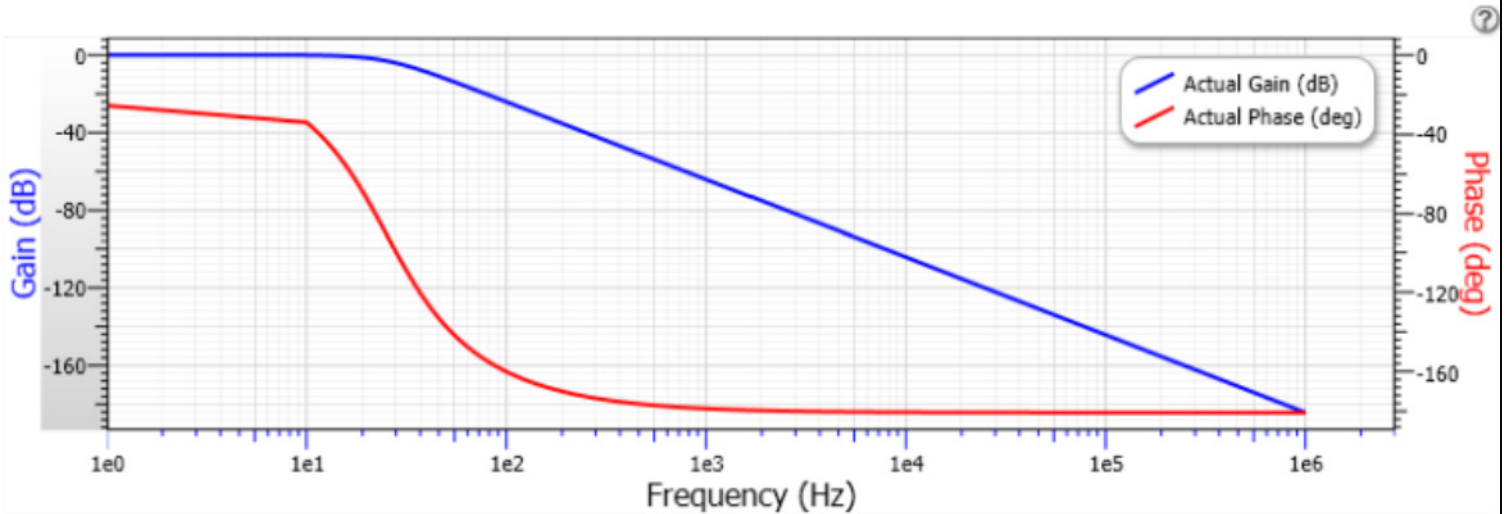


Filter Stage:	1
Passband Gain( $A_o$ ):	1
Cutoff Frequency( $f_n$ ):	25 Hz
QualityFactor (Q):	0.71
Filter Response:	Butterworth
Circuit Topology:	SallenKey
Min GBW reqd.:	1.775 kHz

## 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) **Passband Frequency:** 25 Hz **Corner Frequency Attenuation:** -3 dB  
**Stopband Attenuation:** -12 dB **Stopband Frequency:** 50 Hz



## 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) **Passband Frequency:** 25 Hz **Corner Frequency Attenuation:** -3 dB  
**Stopband Attenuation:** -12 dB **Stopband Frequency:** 50 Hz

Element ID	Quantity	Part Number	Value	Tolerance	Description	Manufacturer
R1 (Stage 1)	1	Standard	4.5K $\Omega$	Exact: 0%	Resistor	
R2 (Stage 1)	1	Standard	4.5K $\Omega$	Exact: 0%	Resistor	
C1 (Stage 1)	1	Standard	1uF	Exact: 0%	Capacitor	
C2 (Stage 1)	1	Standard	2uF	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) **Passband Frequency:** 25 Hz **Corner Frequency Attenuation:** -3 dB  
**Stopband Attenuation:** -12 dB **Stopband Frequency:** 50 Hz