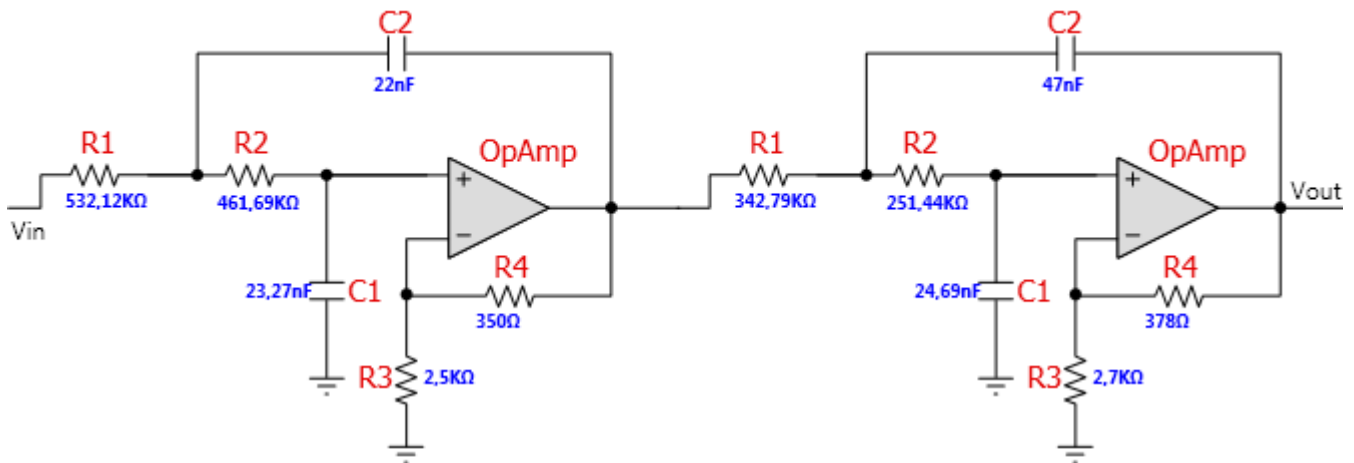


FilterPro Design Report

Schematic

Design Name: Lowpass, Sallen Key, Bessel
Gain: 1,3 V/V (2,2761940534589 dB)
Corner Frequency Attenuation: -0,724 dB

Part: Ideal Opamp **Order:** 4 **Stages:** 2
Allowable PassBand Ripple: 1 dB **Passband Frequency:** 10 Hz



Filter Stage: 1
Passband Gain(Ao) : 1,14
Cutoff Frequency (fn): 14,19 Hz
QualityFactor (Q): 0,52
Filter Response: Bessel
Circuit Topology: SallenKey
Min GBW reqd.: 841,1832 Hz

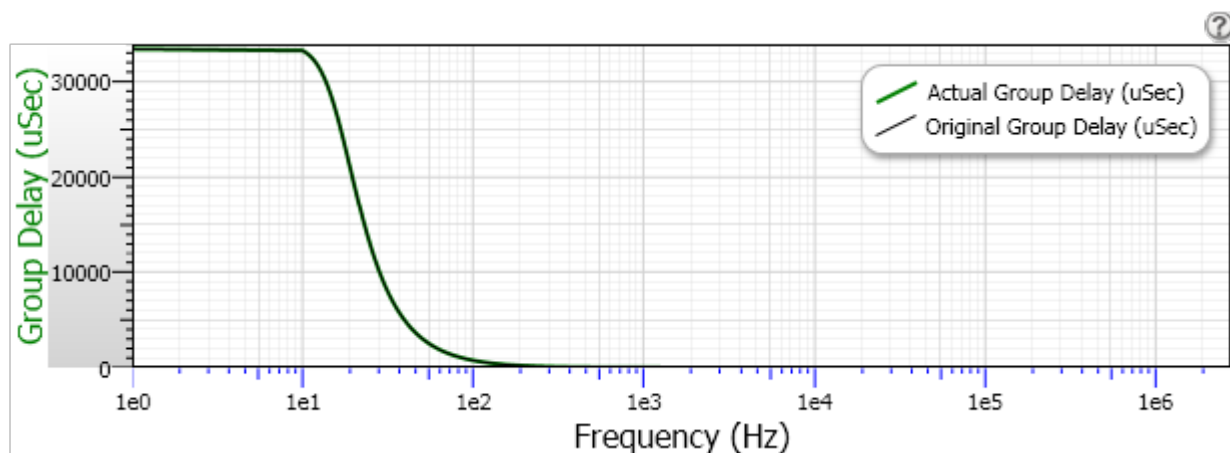
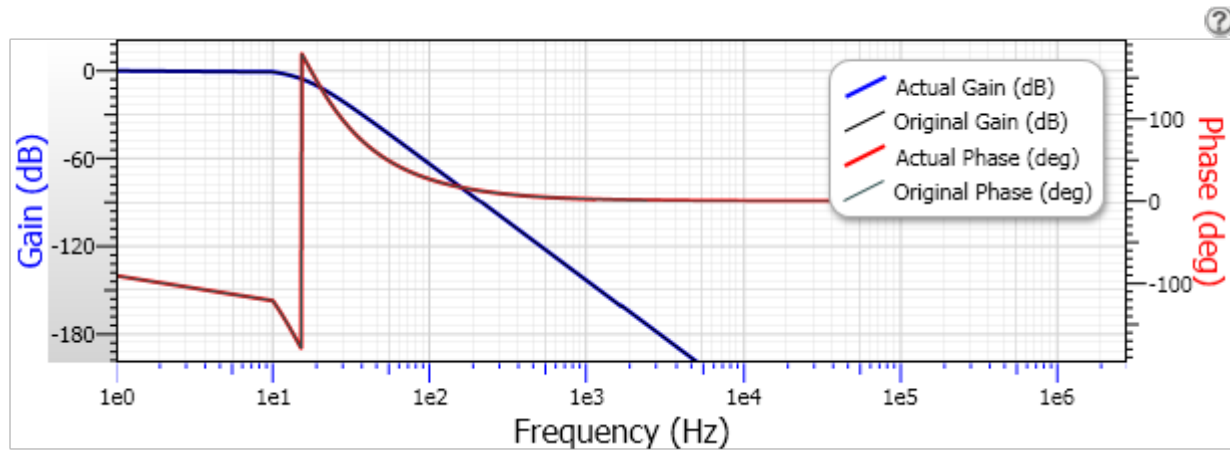
Filter Stage: 2
Passband Gain(Ao) : 1,14
Cutoff Frequency (fn): 15,91 Hz
QualityFactor (Q): 0,81
Filter Response: Bessel
Circuit Topology: SallenKey
Min GBW reqd.: 1,4691 kHz

FilterPro Design Report

Frequency and Phase Responses

Design Name: Lowpass, Sallen Key, Bessel
Gain: 1,3 V/V (2,2761940534589 dB)
Corner Frequency Attenuation: -0,724 dB

Part: Ideal Opamp **Order:** 4 **Stages:** 2
Allowable PassBand Ripple: 1 dB **Passband Frequency:** 10 Hz



FilterPro Design Report

Bill of Materials

Design Name: Lowpass, Sallen Key, Bessel
Gain: 1,3 V/V (2,2761940534589 dB)
Corner Frequency Attenuation: -0,724 dB

Part: Ideal Opamp **Order:** 4 **Stages:** 2
Allowable PassBand Ripple: 1 dB **Passband Frequency:** 10 Hz

Element ID	Quantity	Part Number	Value	Tolerance	Description	Manufactur...
R1 (Stage 1)	1	Standard	532,12K Ω	Exact: 0%	Resistor	
R2 (Stage 1)	1	Standard	461,69K Ω	Exact: 0%	Resistor	
C1 (Stage 1)	1	Standard	23,27nF	Exact: 0%	Capacitor	
C2 (Stage 1)	1	Standard	22nF	Exact: 0%	Capacitor	
R3 (Stage 1)	1	Standard	2,5K Ω	Exact: 0%	Resistor	
R4 (Stage 1)	1	Standard	350 Ω	Exact: 0%	Resistor	
OpAmp (Stage 1)	1	Standard			Ideal OpAmp	
R1 (Stage 2)	1	Standard	342,79K Ω	Exact: 0%	Resistor	
R2 (Stage 2)	1	Standard	251,44K Ω	Exact: 0%	Resistor	
C1 (Stage 2)	1	Standard	24,69nF	Exact: 0%	Capacitor	
C2 (Stage 2)	1	Standard	47nF	Exact: 0%	Capacitor	
R3 (Stage 2)	1	Standard	2,7K Ω	Exact: 0%	Resistor	
R4 (Stage 2)	1	Standard	378 Ω	Exact: 0%	Resistor	
OpAmp (Stage 2)	1	Standard			Ideal OpAmp	

FilterPro Design Report

Design Notes

Design Name: Lowpass, Sallen Key, Bessel
Gain: 1,3 V/V (2,2761940534589 dB)
Corner Frequency Attenuation: -0,724 dB

Part: Ideal Opamp **Order:** 4 **Stages:** 2
Allowable PassBand Ripple: 1 dB **Passband Frequency:** 10 Hz