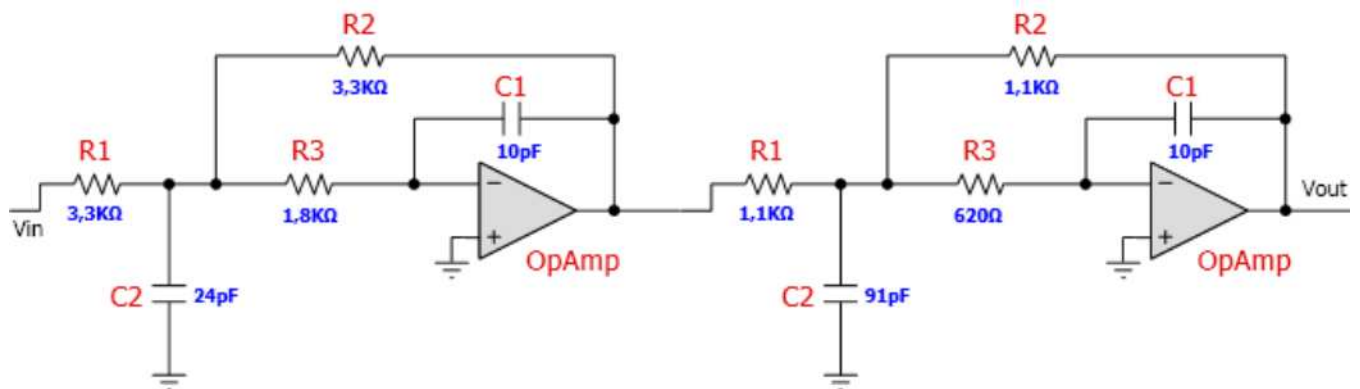


FilterPro Design Report Schematic

Design Name: Lowpass, Multiple Feedback, Linear Phase 0,05°
Gain: 1 V/V (0 dB)
Corner Frequency Attenuation: -3 dB

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



Filter Stage:	1
Passband Gain(Ao) :	1
Cutoff Frequency(fn):	4,3 MHz
QualityFactor (Q):	0,56
Filter Response:	LinearPhase_005
Circuit Topology:	MultipleFeedback
Min GBW reqd.:	240,8 MHz

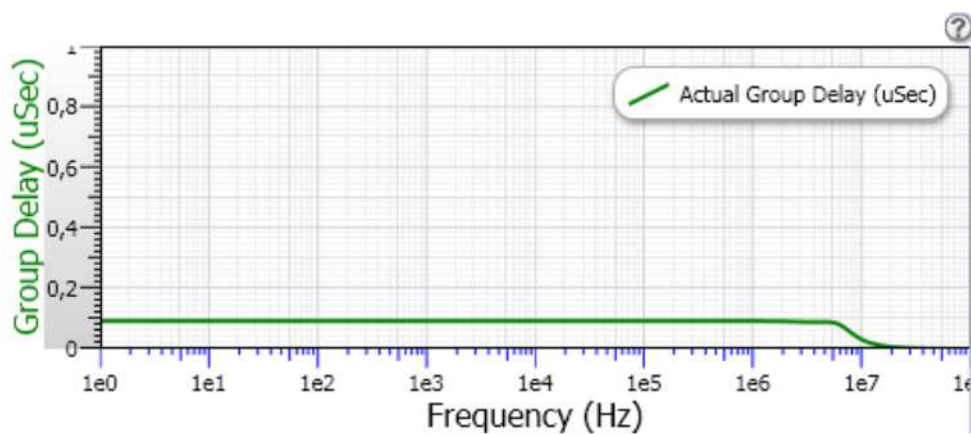
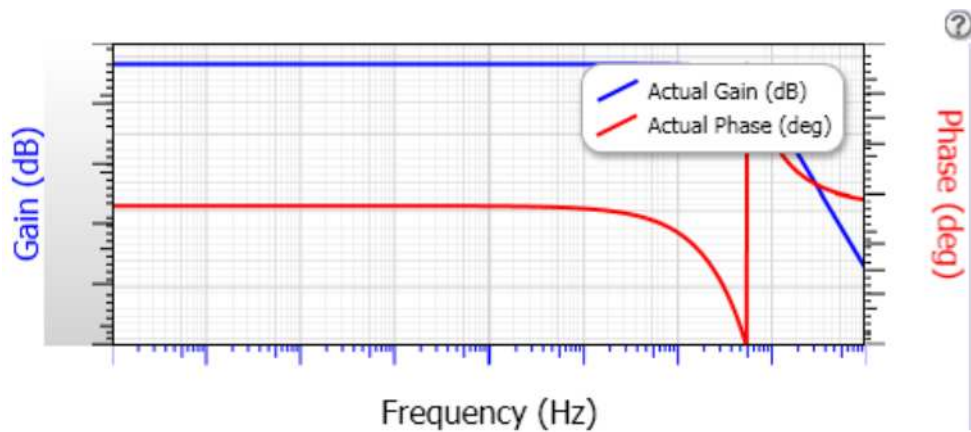
Filter Stage:	2
Passband Gain(Ao) :	1
Cutoff Frequency(fn):	6,344 MHz
QualityFactor (Q):	1,07
Filter Response:	LinearPhase_005
Circuit Topology:	MultipleFeedback
Min GBW reqd.:	678,808 MHz

FilterPro Design Report

Frequency and Phase Responses

Design Name: Lowpass, Multiple Feedback, Linear Phase 0,05°
Gain: 1 V/V (0 dB)
Corner Frequency Attenuation: -3 dB

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



FilterPro Design Report

Bill of Materials

Design Name: Lowpass, Multiple Feedback, Linear Phase 0,05° **Part:** Ideal Opamp **Order:** 4 **Stages:** 2
Gain: 1 V/V (0 dB) **Allowable PassBand Ripple:** 1 dB **Passband Frequency:** 4 MHz
Corner Frequency Attenuation: -3 dB

Element ID	Quantity	Part Number	Value	Tolerance	Description	Manufacturer
R1 (Stage 1)	1	Standard	3,3KΩ	E24: 5%	Resistor	
R2 (Stage 1)	1	Standard	3,3KΩ	E24: 5%	Resistor	
R3 (Stage 1)	1	Standard	1,8KΩ	E24: 5%	Resistor	
C1 (Stage 1)	1	Standard	10pF	E24: 5%	Capacitor	
C2 (Stage 1)	1	Standard	24pF	E24: 5%	Capacitor	
OpAmp (Stage 1)	1	Standard			Ideal OpAmp	
R1 (Stage 2)	1	Standard	1,1KΩ	E24: 5%	Resistor	
R2 (Stage 2)	1	Standard	1,1KΩ	E24: 5%	Resistor	
R3 (Stage 2)	1	Standard	620Ω	E24: 5%	Resistor	
C1 (Stage 2)	1	Standard	10pF	E24: 5%	Capacitor	
C2 (Stage 2)	1	Standard	91pF	E24: 5%	Capacitor	
OpAmp (Stage 2)	1	Standard			Ideal OpAmp	

FilterPro Design Report

Design Notes

Design Name: Lowpass, Multiple Feedback, Linear Phase 0,05° **Part:** Ideal Opamp **Order:** 4 **Stages:** 2
Gain: 1 V/V (0 dB) **Allowable PassBand Ripple:** 1 dB **Passband Frequency:** 4 MHz
Corner Frequency Attenuation: -3 dB