## Filter Wizard

Created by mike stebbins on 12/12/2015

## Filter Wizard Design Report

Filter Requirements for Band-Pass, 4th order Chebyshev 0.18 dB

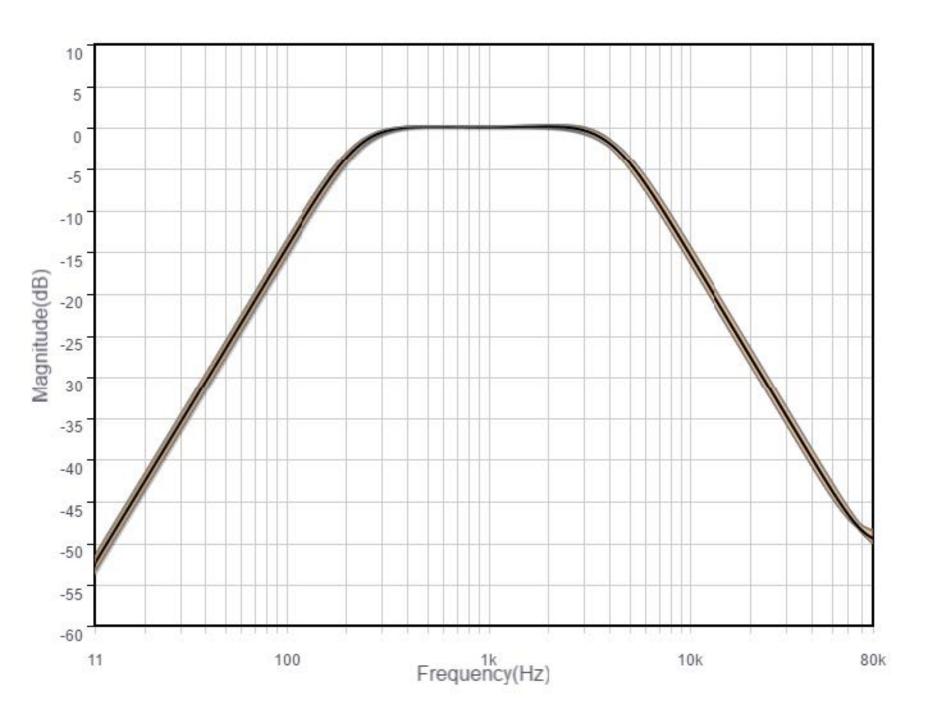
Specifications: Optimize for Voltage Range, +Vs= 5, -Vs= 0

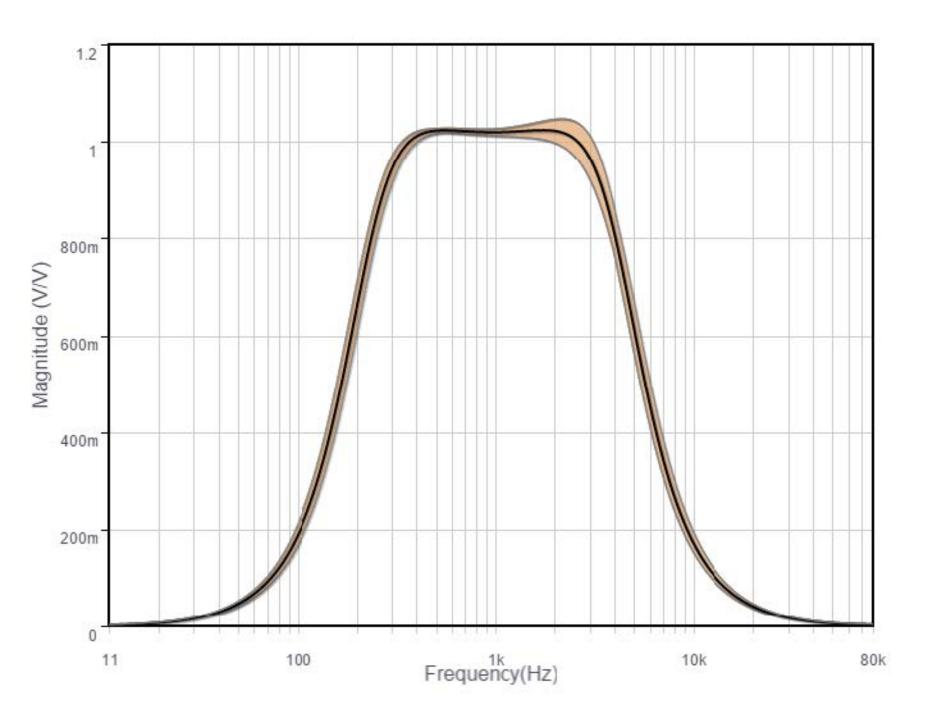
Gain: 1 V/V

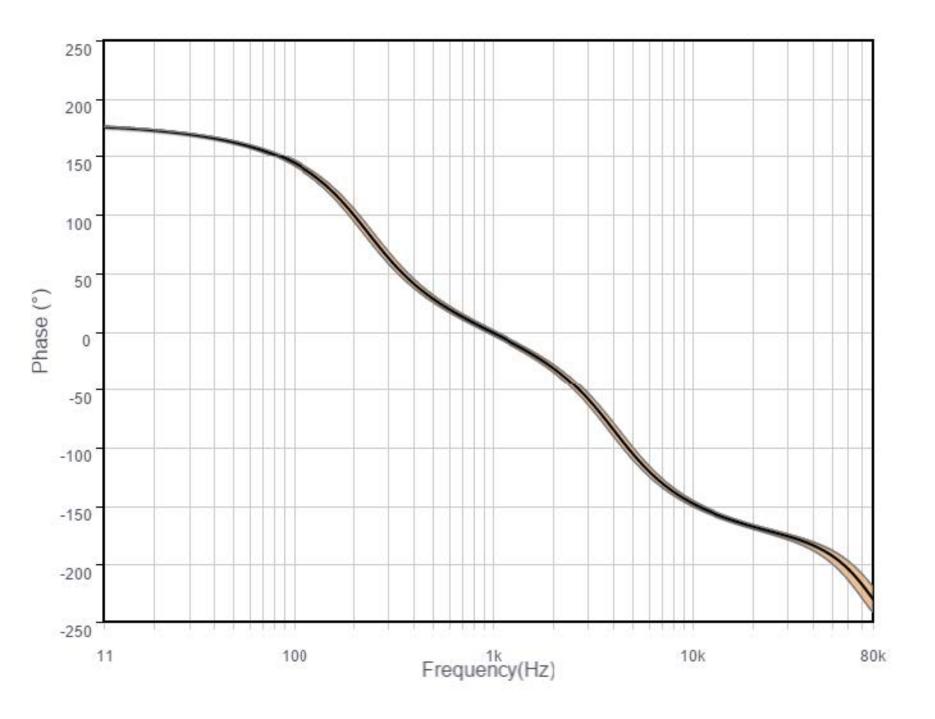
Passband: -3dB at 4.2kHz Stopband: -40dB at 40kHz

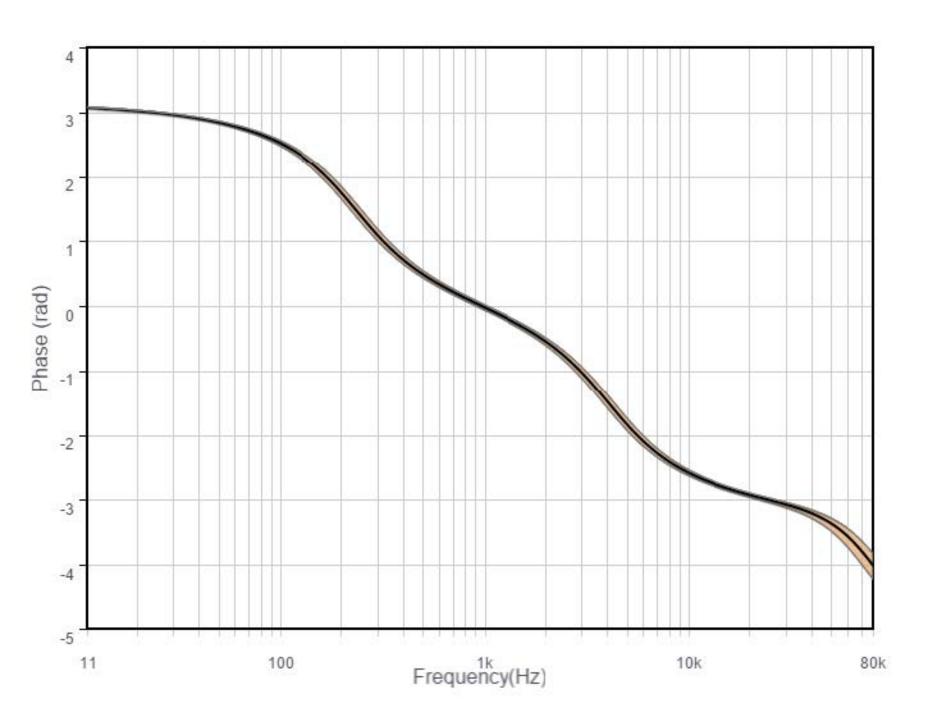
Component Tolerances: Capacitor = 5%; Resistor = 1%; Inductor = 5%; Op Amp GBW = 20%

BOM: refer to BOM.csv file

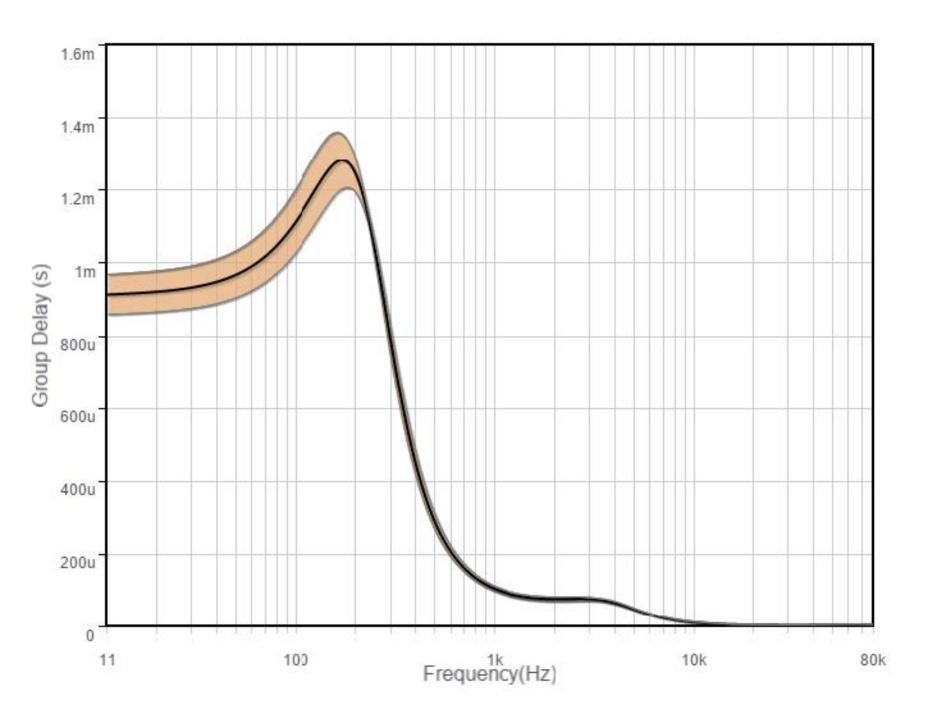


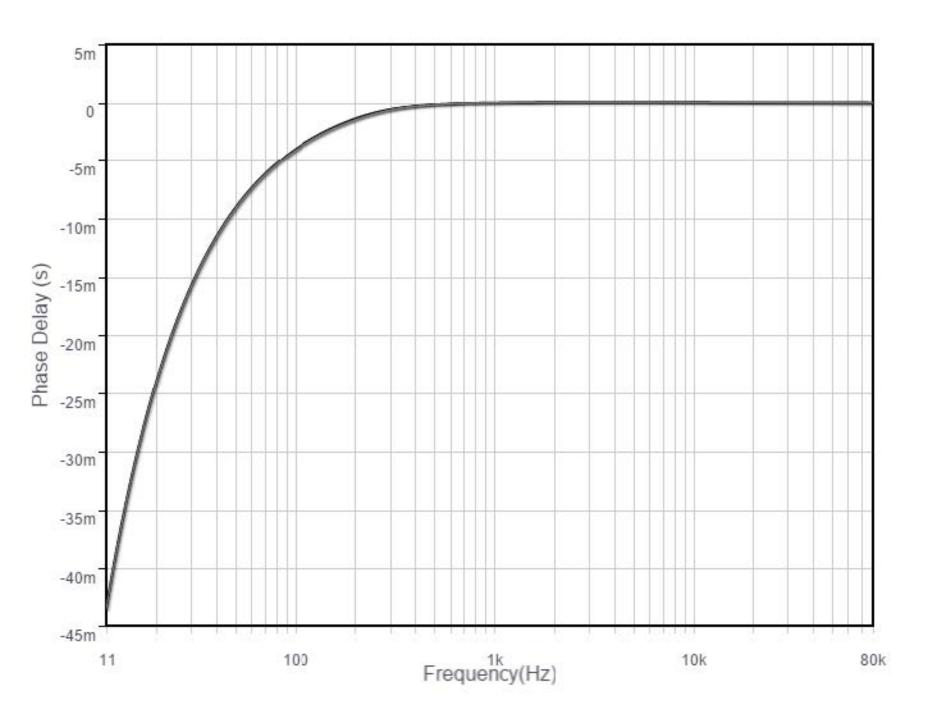


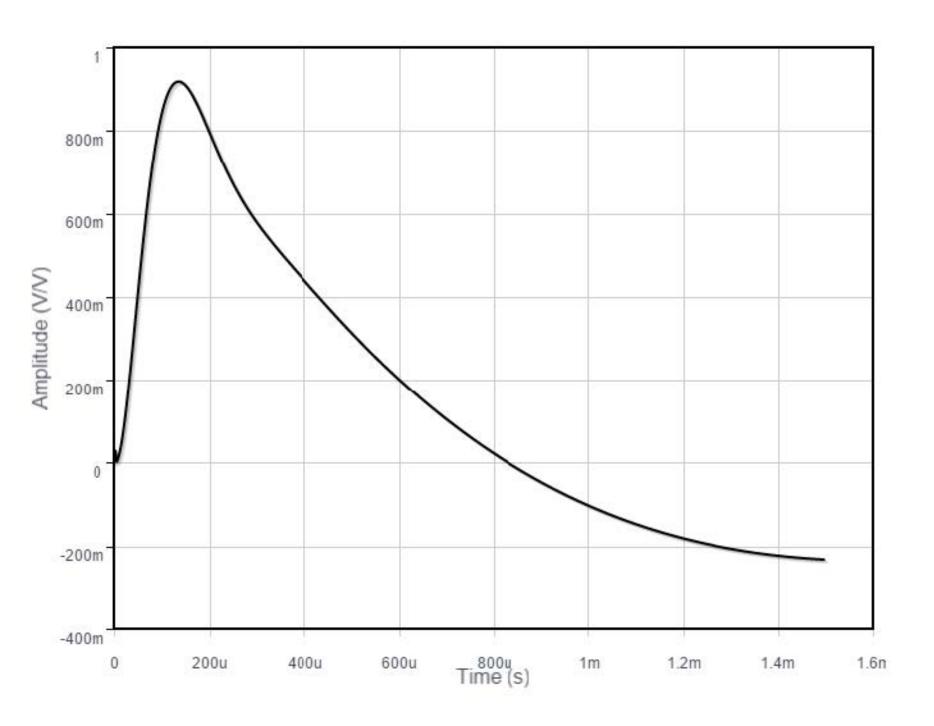


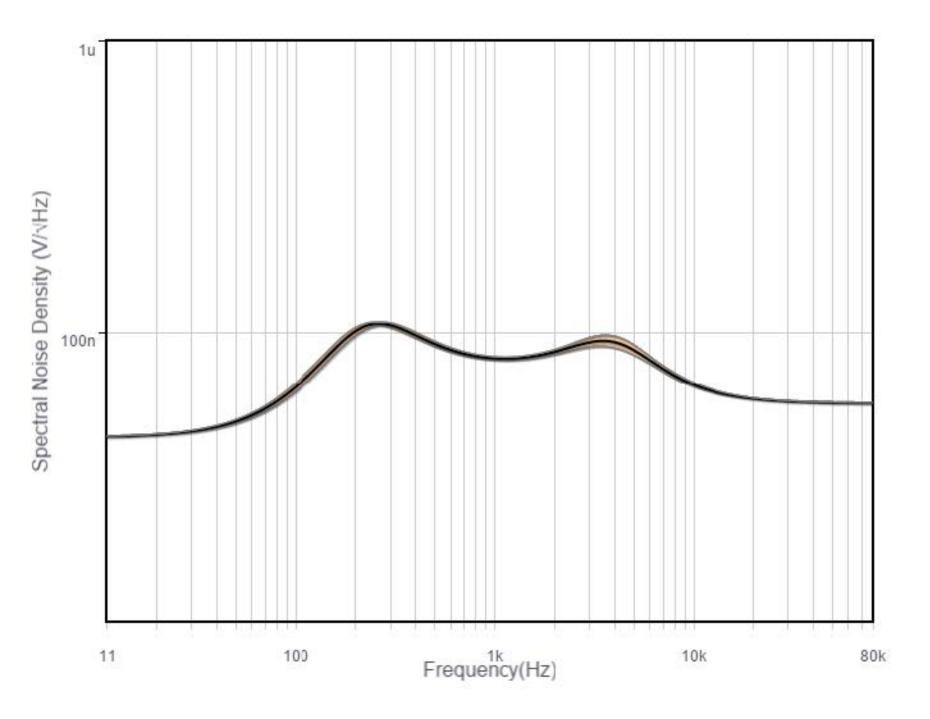


## **Group Delay**









## Circuit

