



Filter Wizard

Filter Wizard Design

Created on 12/30/2019



Filter Wizard Design Report

Filter Requirements for Low-Pass, 9th order Chebyshev

Specifications: Optimize: Specific Parts; +Vs: 5; -Vs: 0

Gain: 0 dB

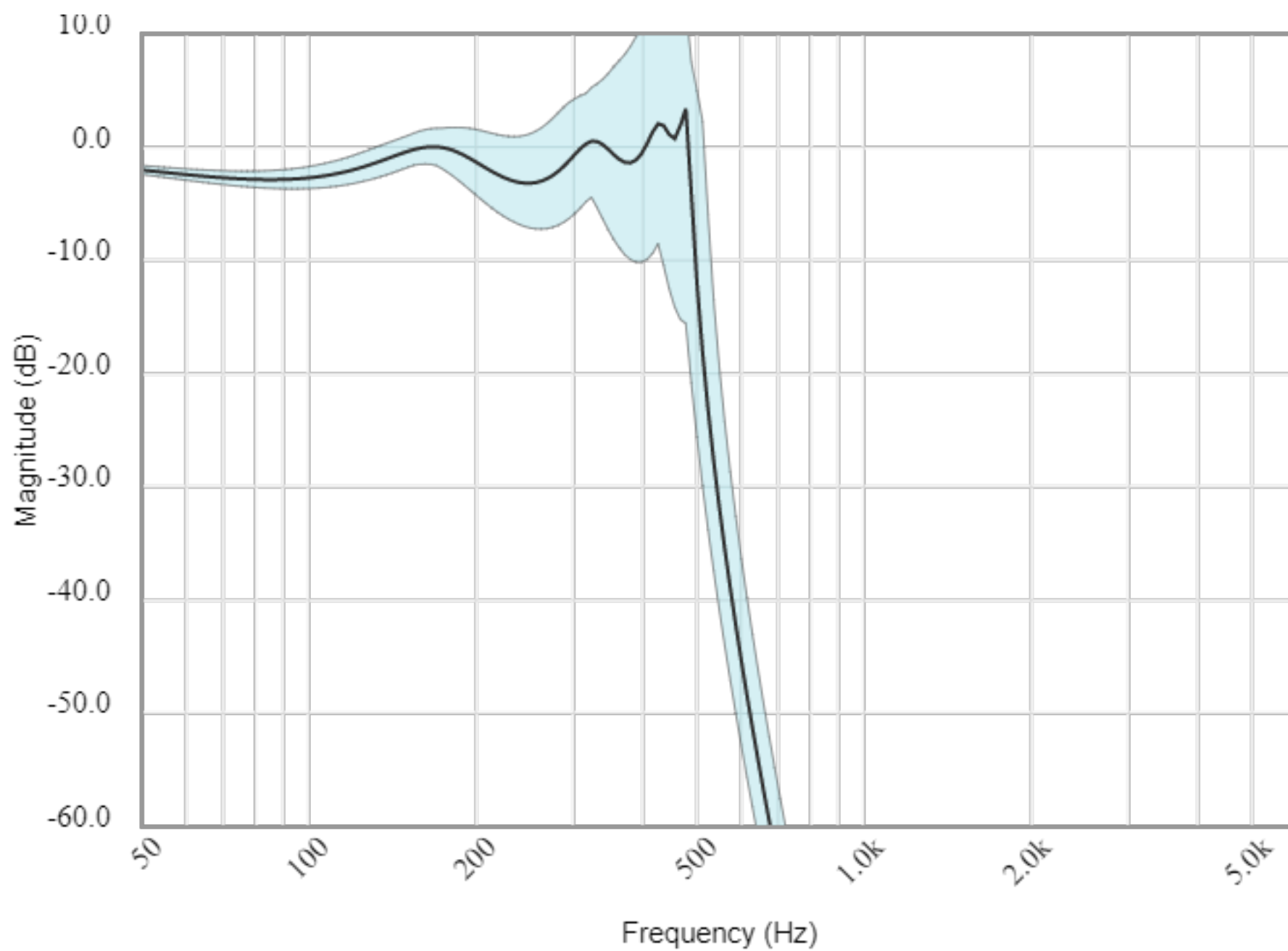
Passband: -3dB at 500Hz

Stopband: -40dB at 600Hz

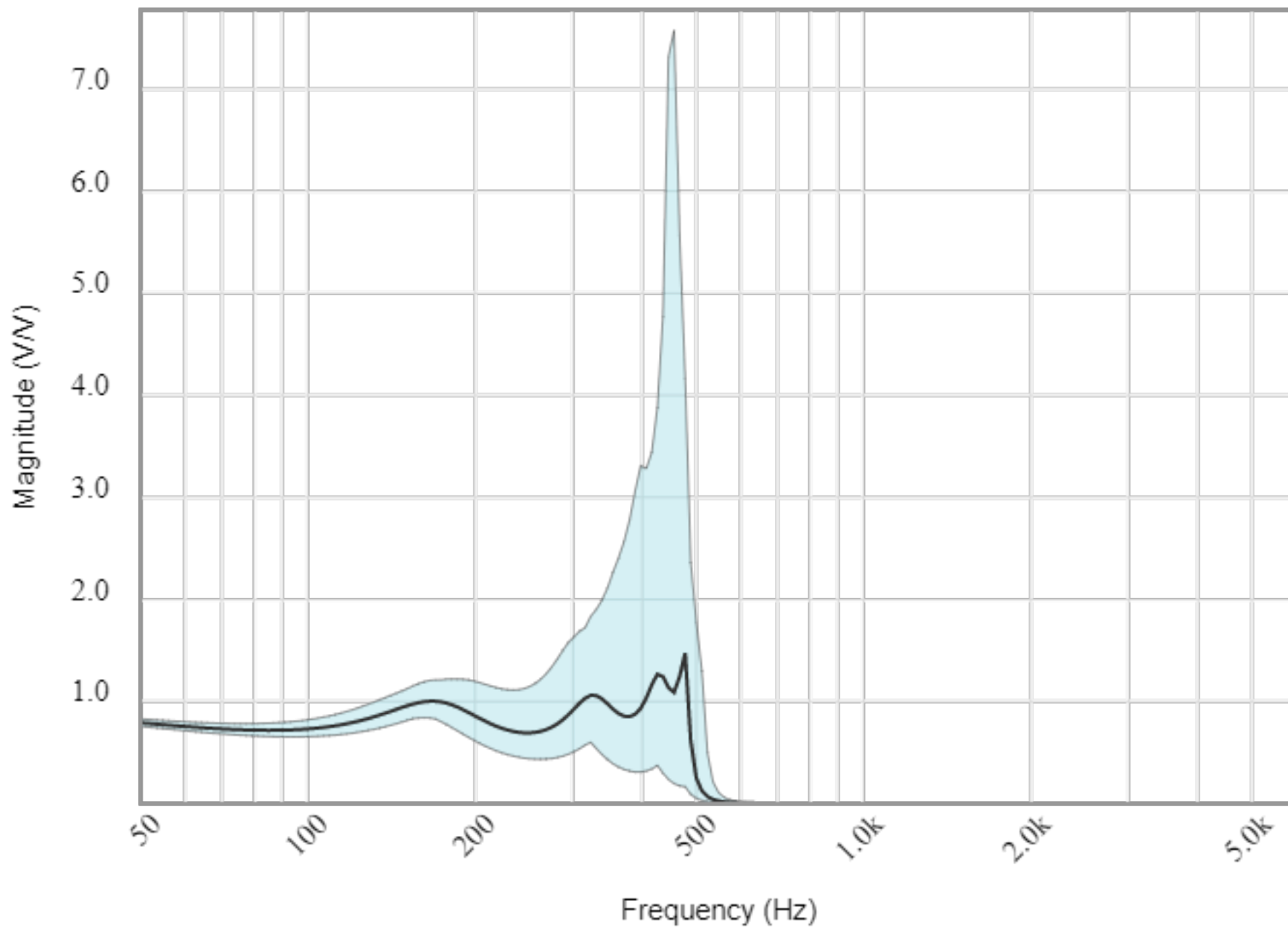
Component Tolerances: Capacitor = 5%; Resistor = 1%; Inductor = 5%; Op Amp GBW = 20%

BOM: refer to BOM.csv file

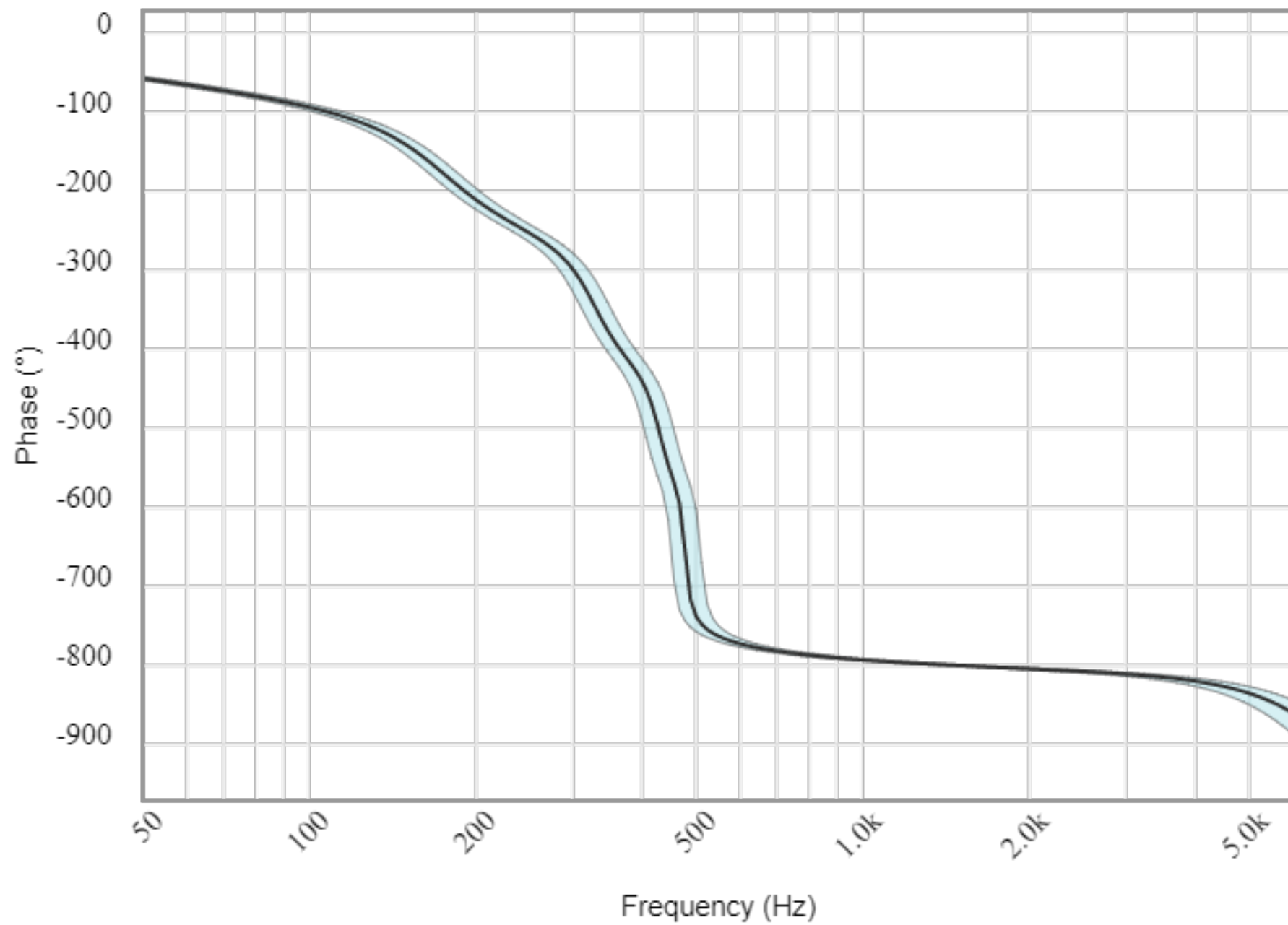
Magnitude(dB)



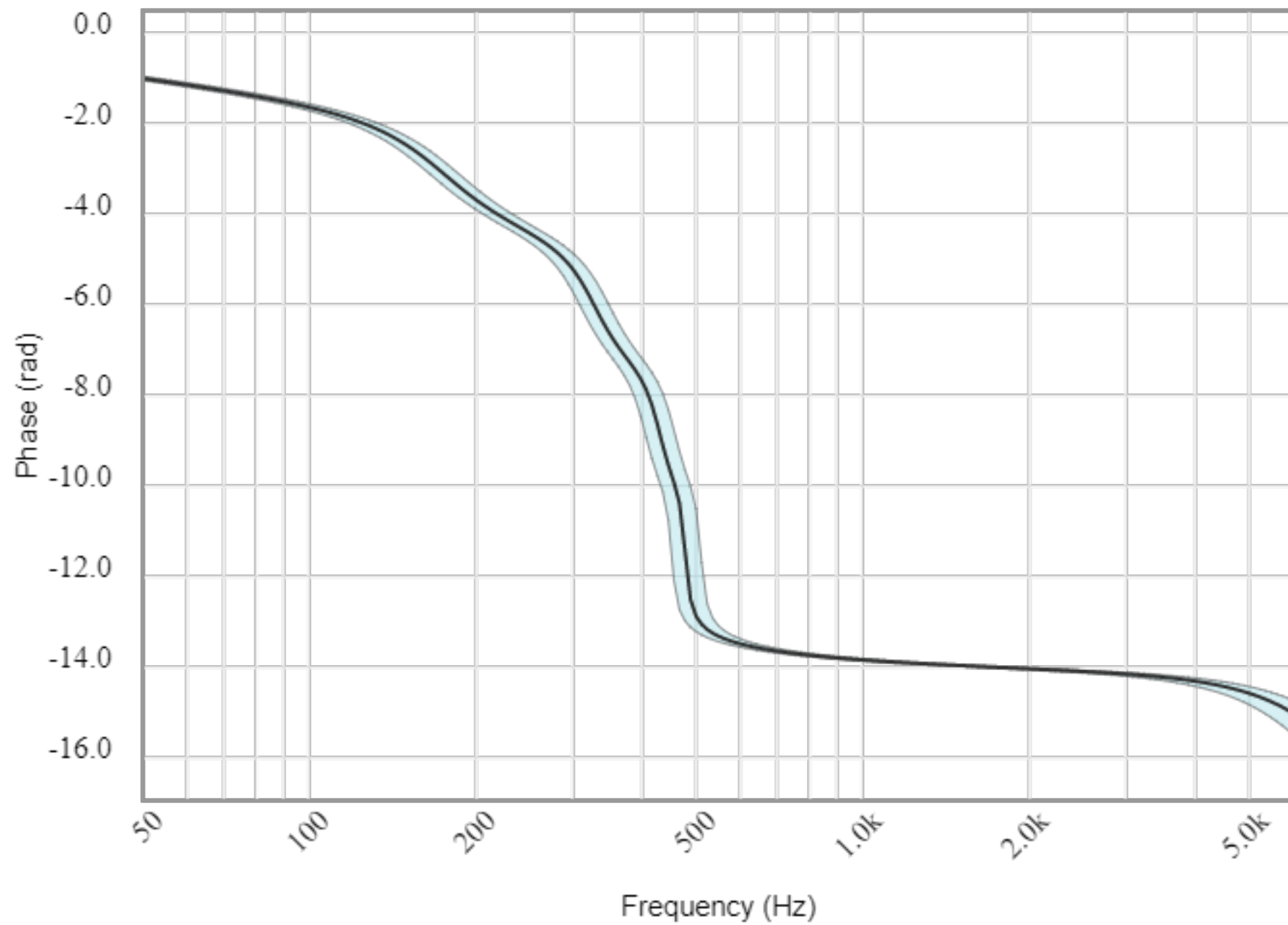
Magnitude(Volts per Volt)



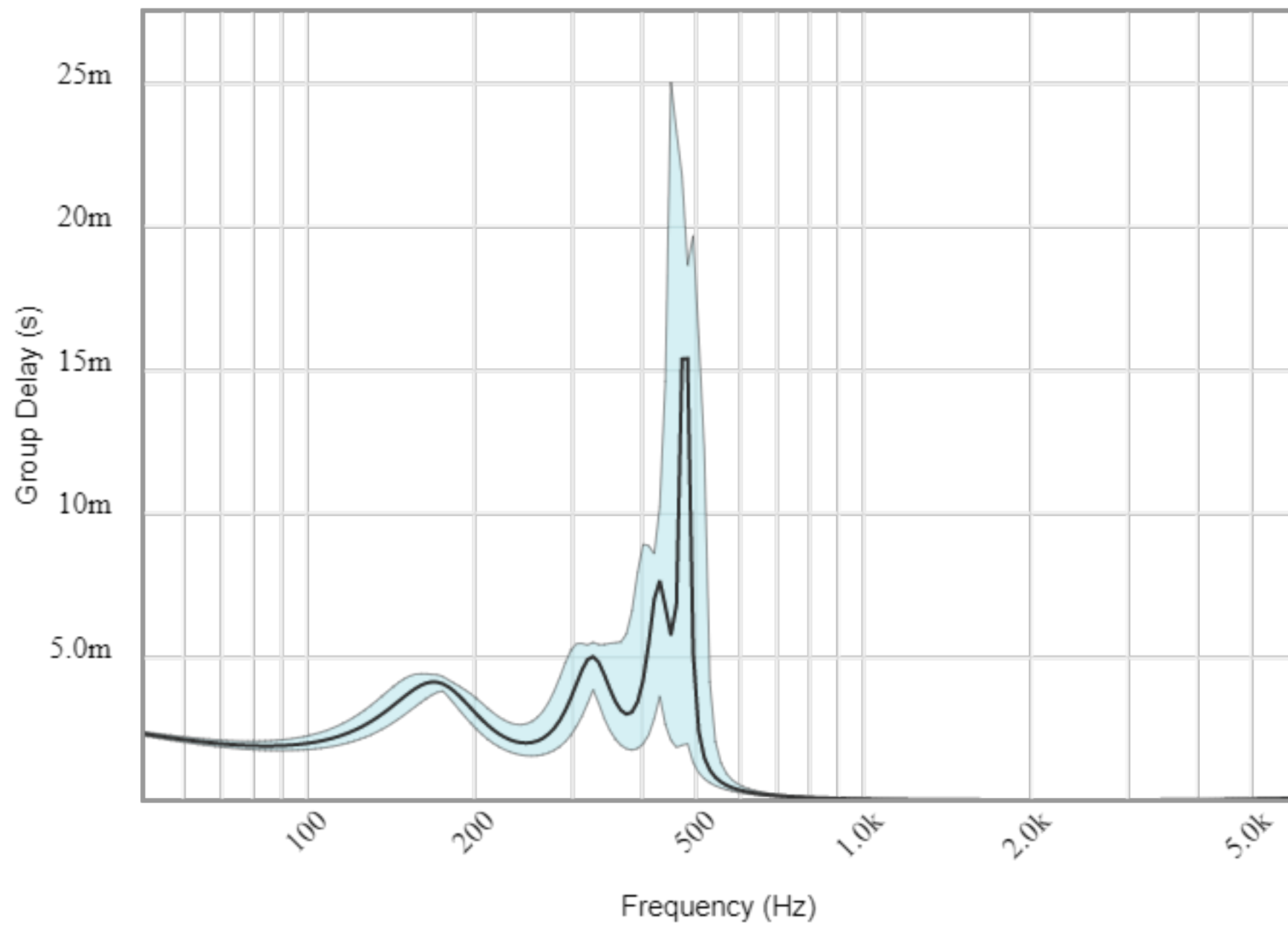
Phase(degrees)



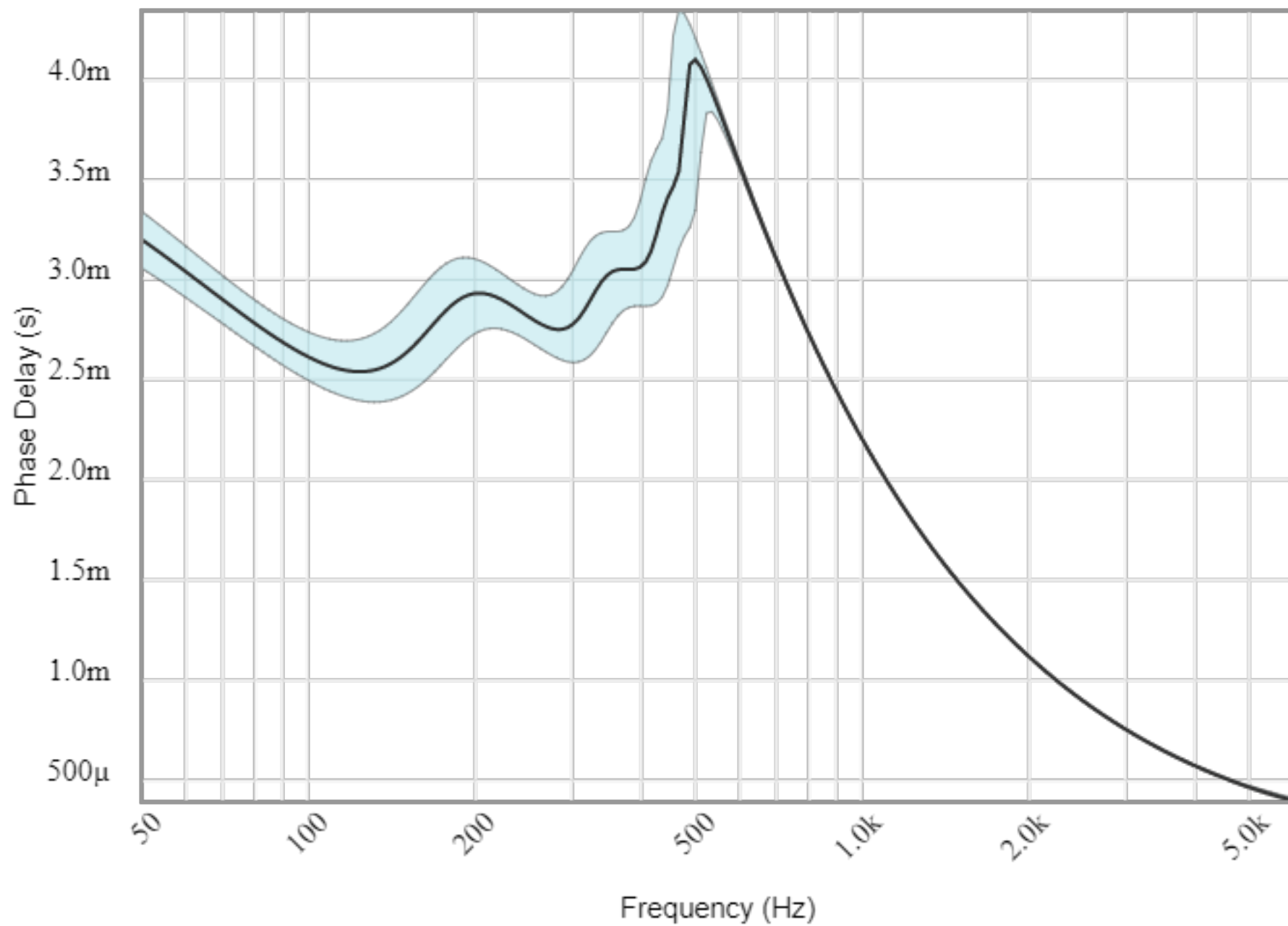
Phase(radians)



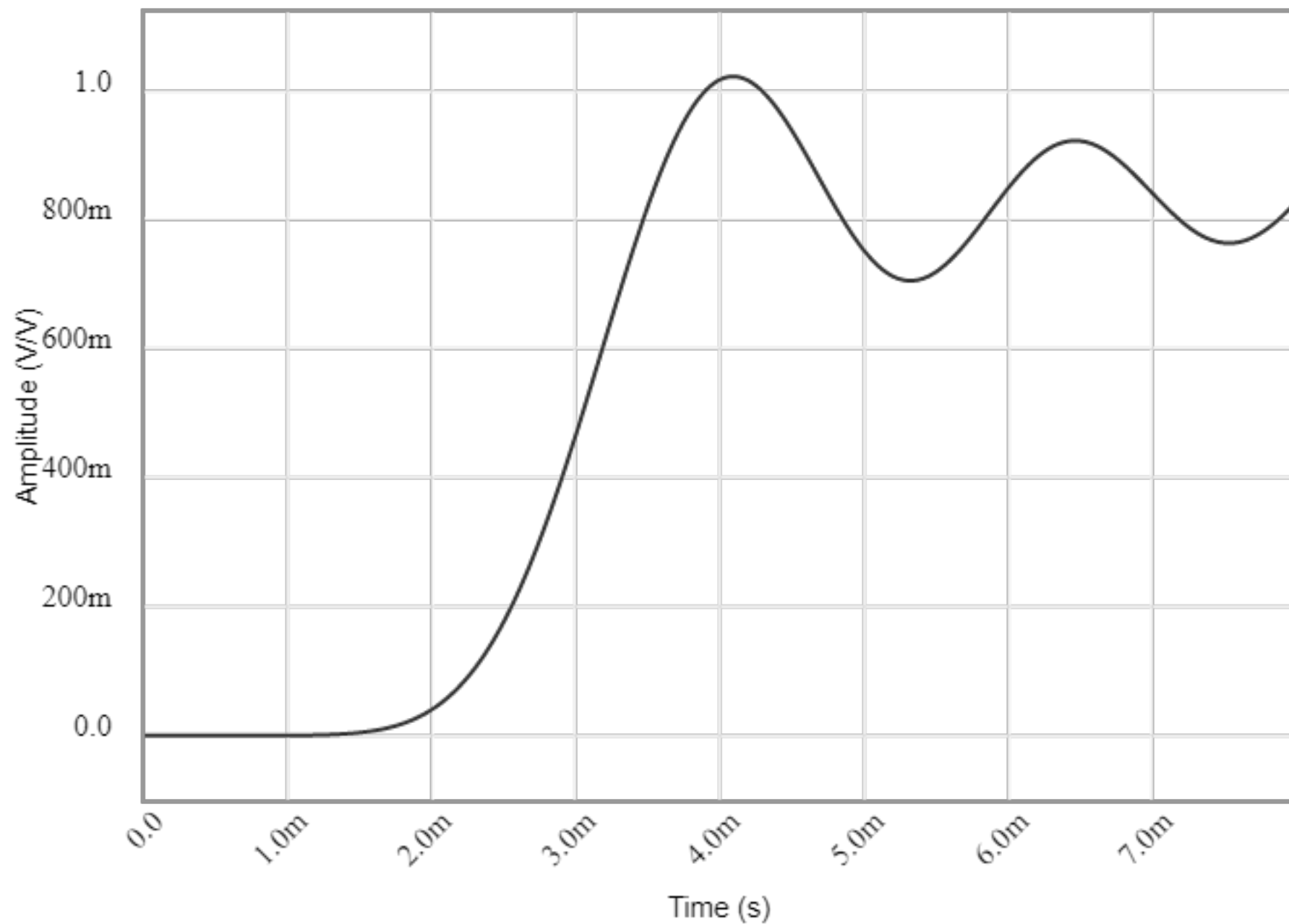
Group Delay



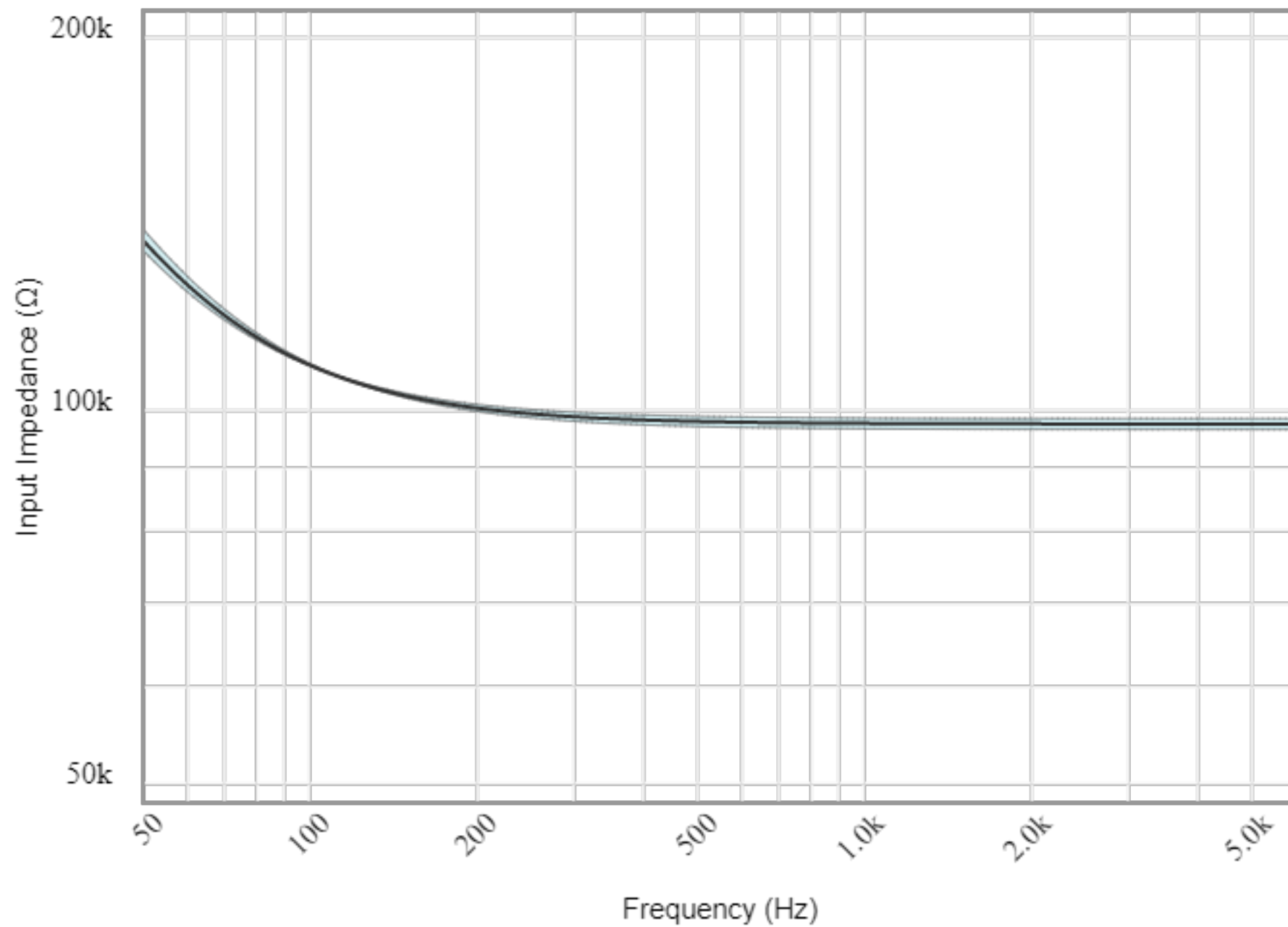
Phase Delay



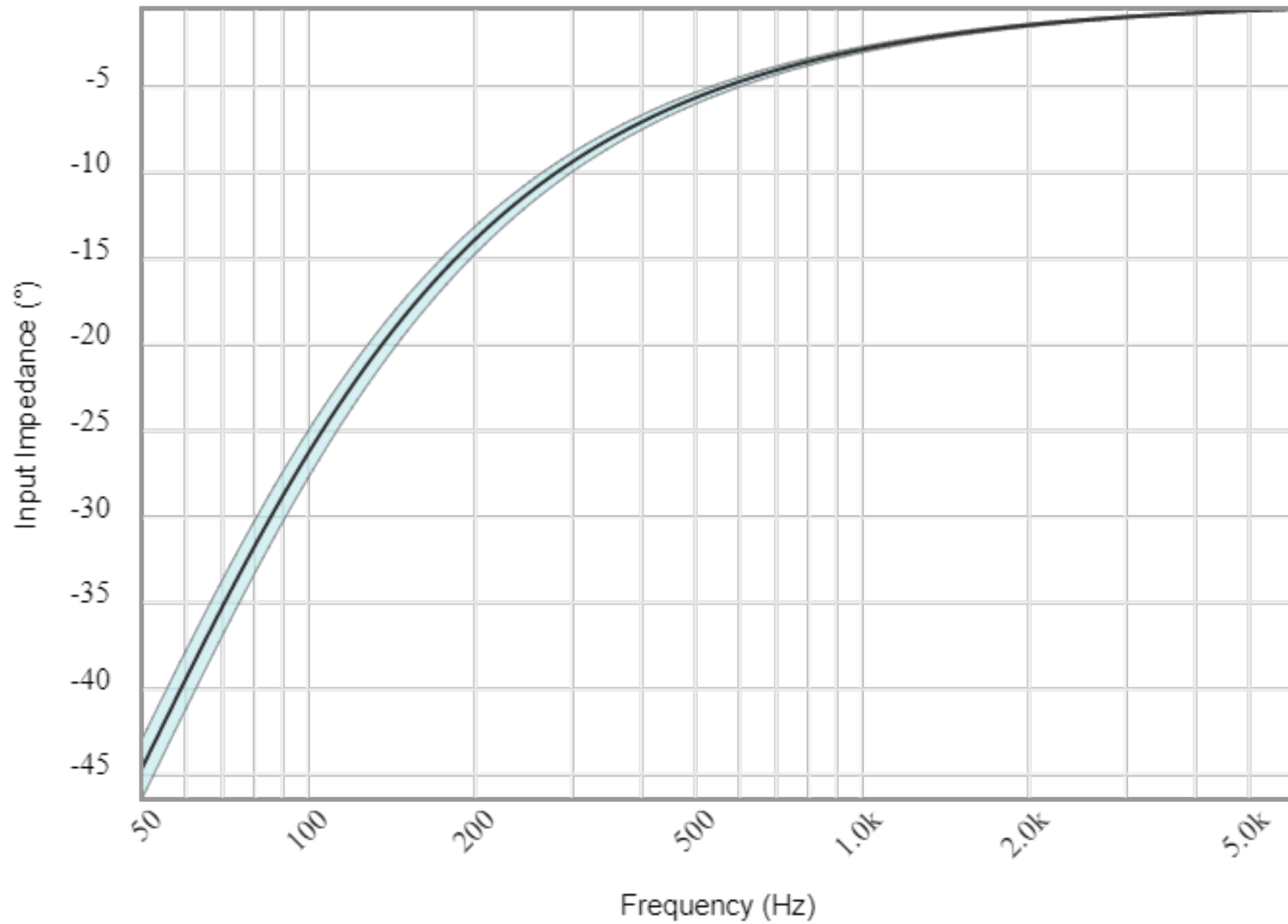
Step Response



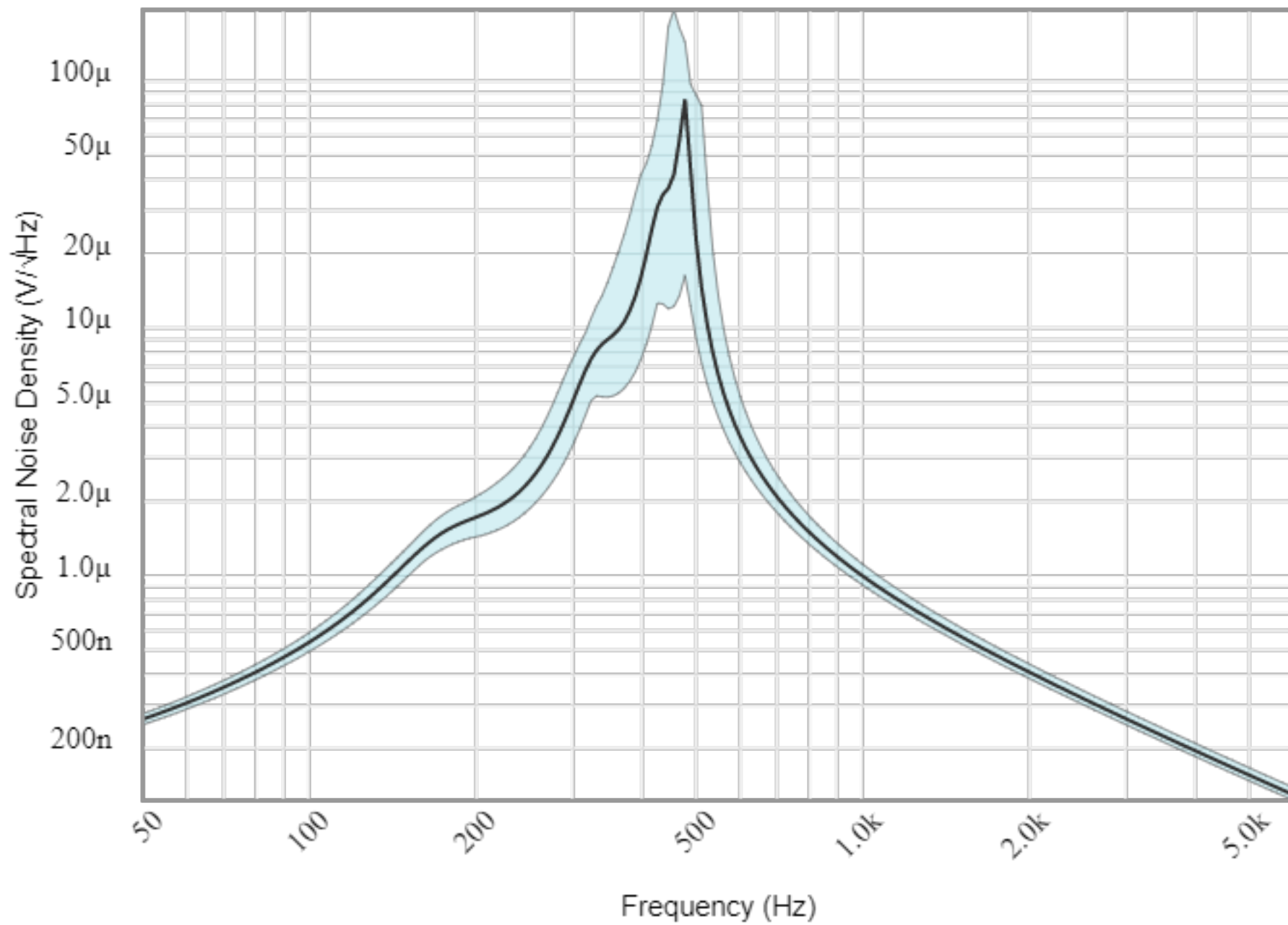
Input Impedance Magnitude



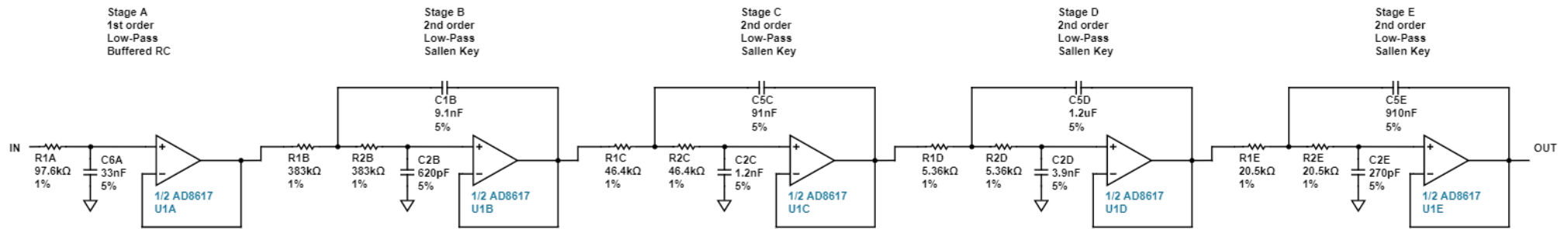
Input Impedance Phase



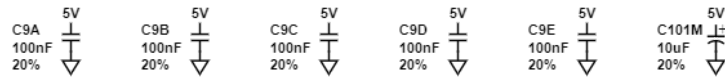
Noise



Circuit



BYPASS CAPACITORS



SPARES Why The Spares?

