

## Ac Current source with Advanced Howland Current Pump.

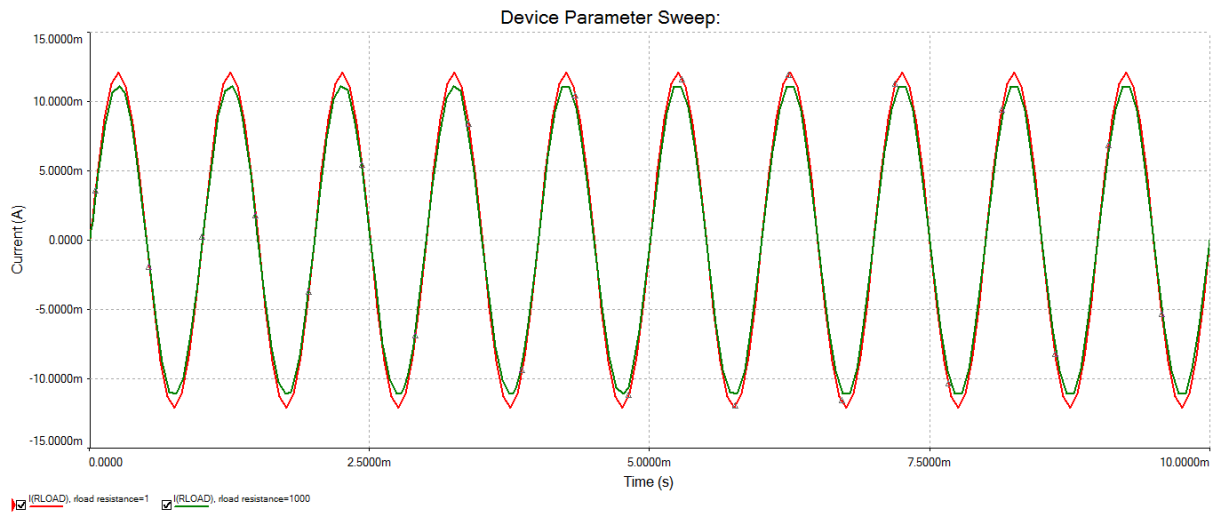


Figure 1: Current output at 1kHz (Rload=1ohm, 1kohm)

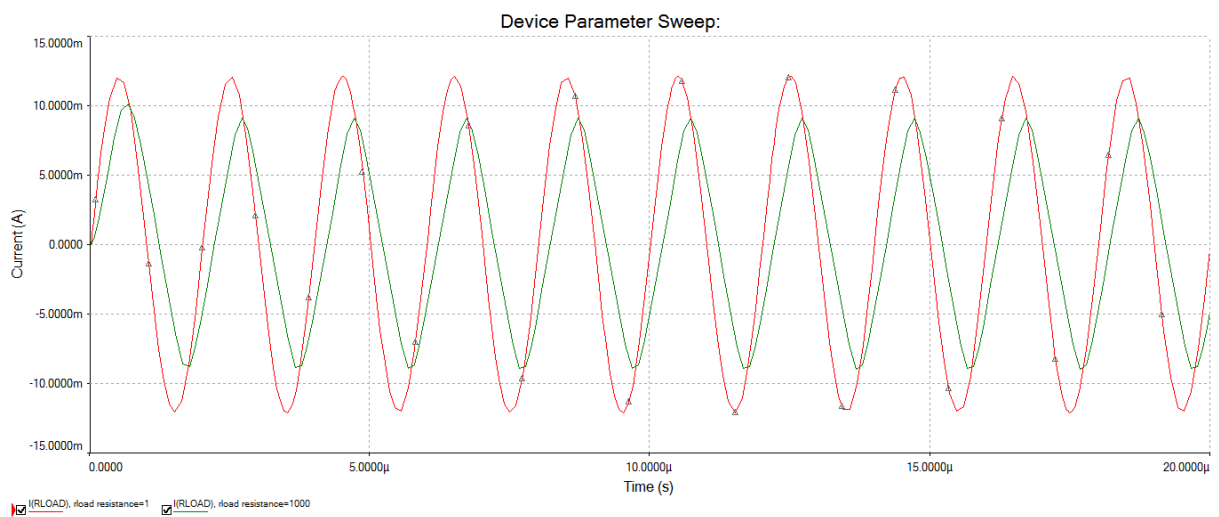
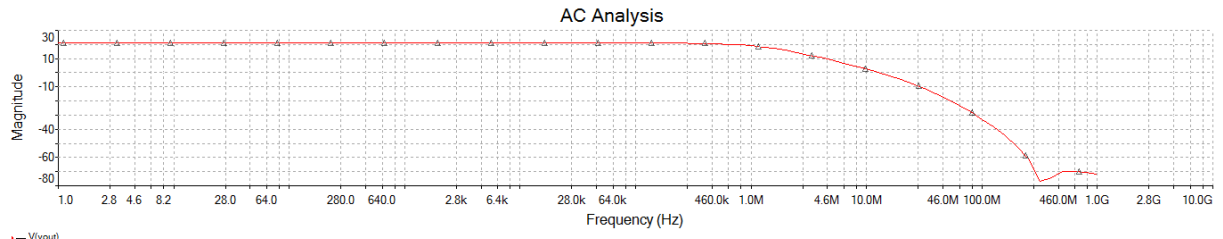
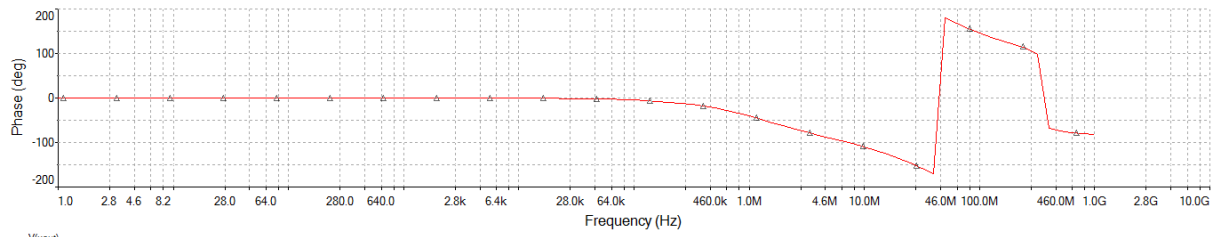


Figure 1: Current output at 500kHz (Rload=1ohm, 1kohm)



(a)



(b)

Figure 3: Ac analysis a) Magnitude (dB), b) Phase

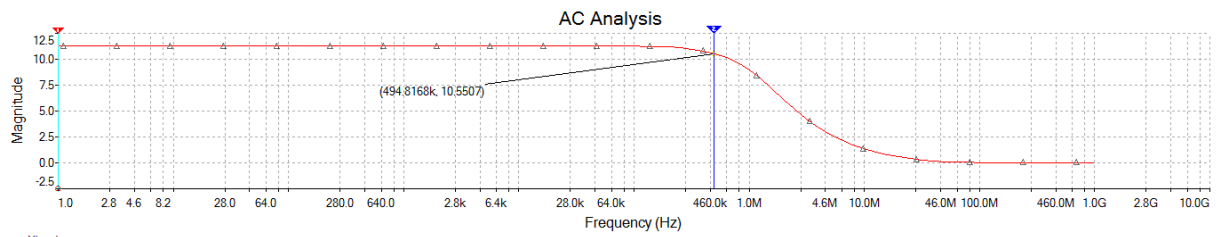


Figure 4: AC analysis (Magnitude)