



Test Procedure for the NCP2892A Evaluation Board

If you can only use a Function generator for the input signal:

1. Set $V_p = 5\text{ V}$ to power supply connector.
2. Set an $8\ \Omega$ load (resistance) on the output.
3. With the function generator, set a sine wave signal at 1 kHz and $1.4\text{ V}_{\text{rms}}$ input signal.
4. Place 2 oscilloscope probes on the output (differential measurement). You should get a $2.8\text{ V}_{\text{rms}}$ output signal with a “perfect sine wave.” That is to say no clipping at the minima and maxima of the sine wave.
5. Check the quiescent current. Place an $8\ \Omega$ load, no input signal. V_p set to 5 V, should measure around 2 mA.