

Bela to Arduino Audio Amplifier:

2.0 Vpp input to 2.5Vpp centered at 2.5V for 0V to 5V output range

1. Schematic Diagram

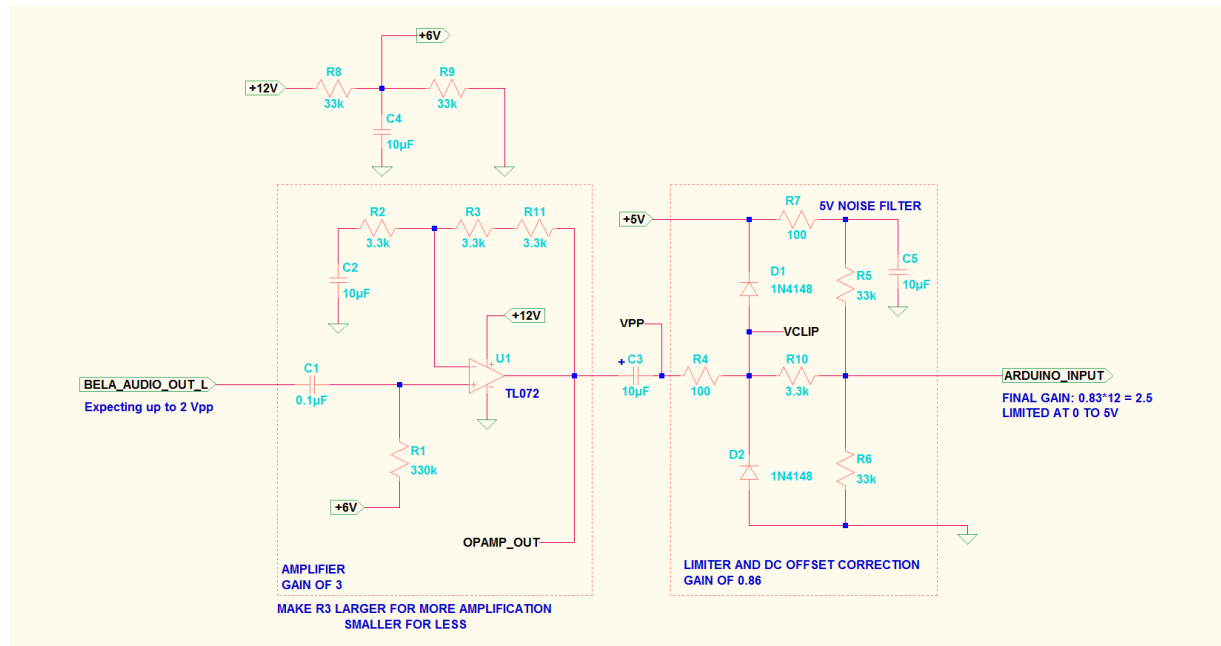


Figure 1-1 Circuit connecting and protecting an input receiving 0V to 5V range

2. Simulation Output: 2.0 Vpp input

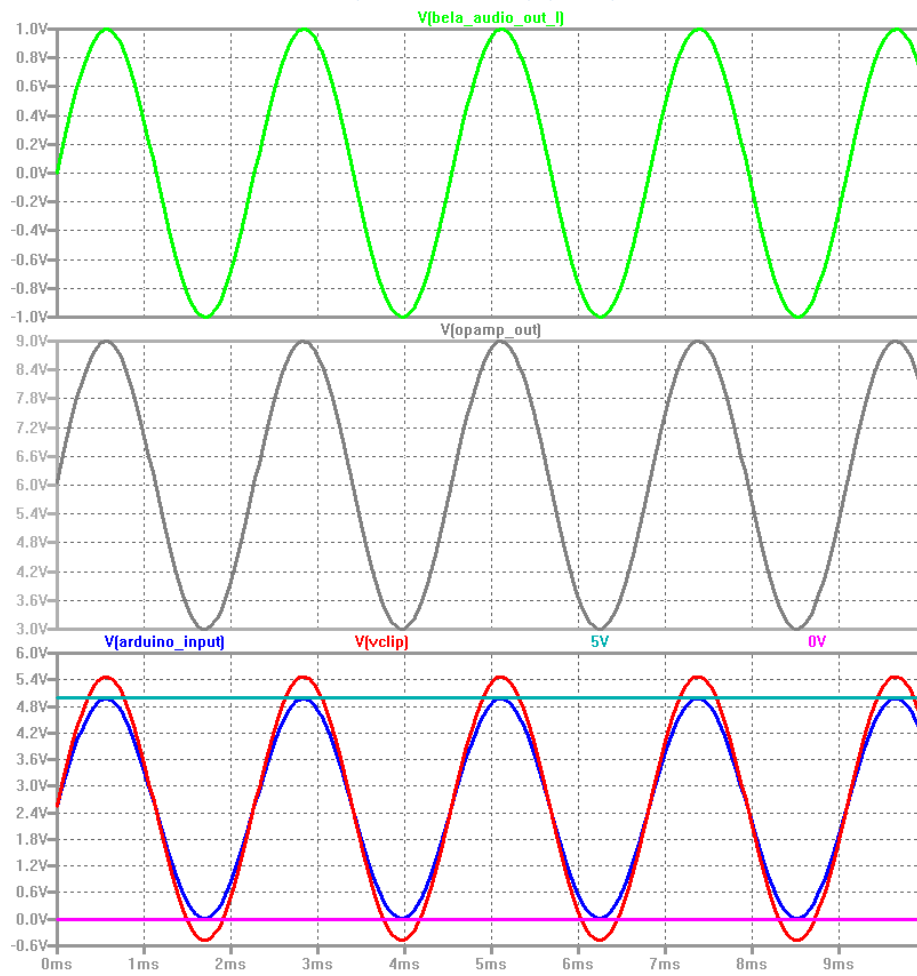


Figure 2-1 Final output is 2.5 x Input

3. Simulation Output: 2.6 Vpp input

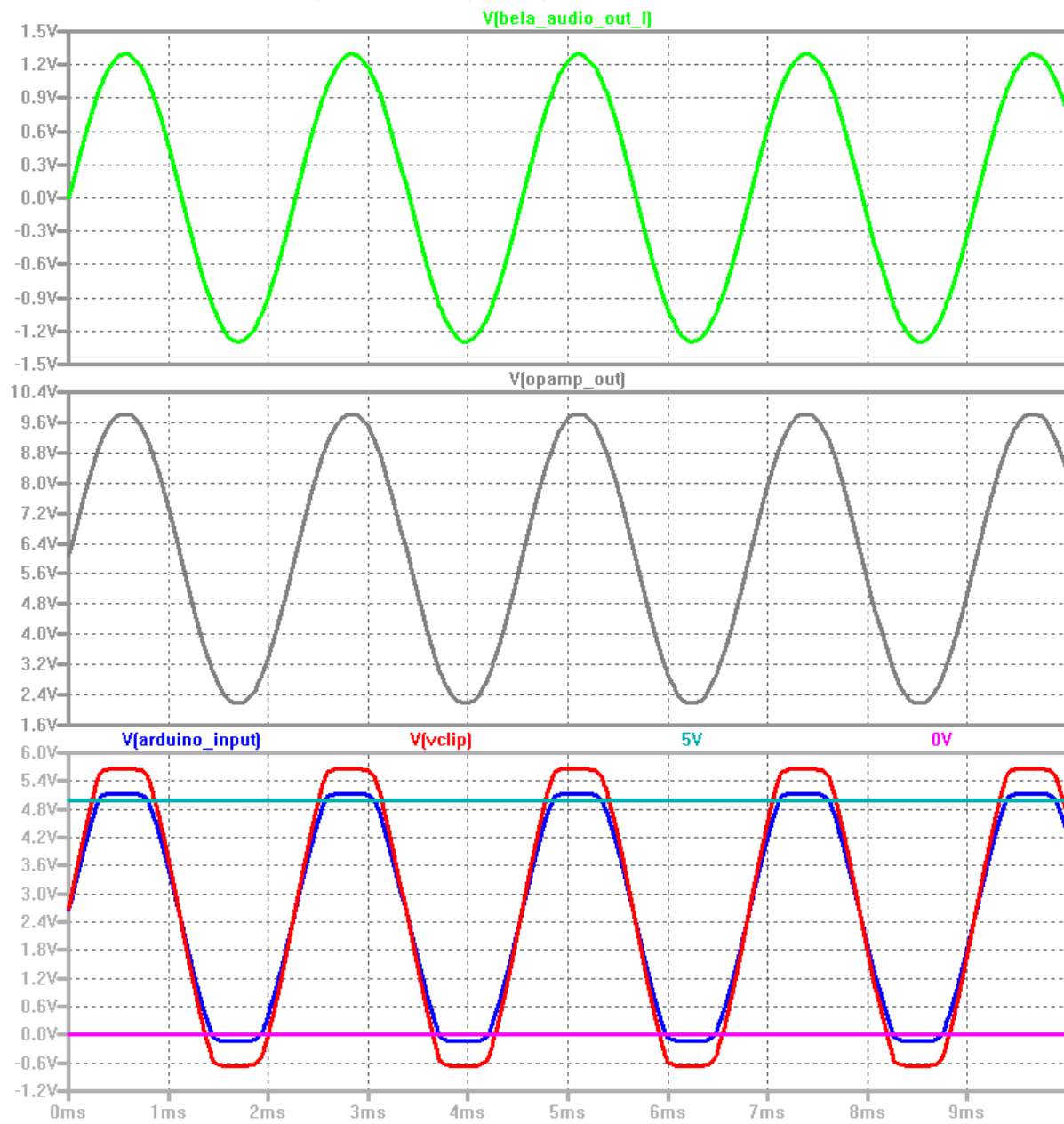


Figure 3-1 The 3rd pane down demonstrates the input protection function of the diodes when driven at 2.6 Vpp