

TRI-STATE AUDIO DIFFERENTIAL DRIVER**Abstract**

First and second amplifiers are coupled together to provide complementary output signals at respective output terminals in response to application of operating potentials to first and second supply terminals of each amplifier and application of an input signal to at least the first amplifier. A switching circuit, responsive to a first level of a tri-state control signal supplied thereto, applies the operating potentials individually to the first and second supply terminals of each amplifier and concurrently couples the input signal to the input of the first amplifier and, responsive to a second level of the tri-state control signal, isolates all of the amplifier supply terminals and decouples the input signal. Transient disturbances are minimized by AC coupling the input signal and applying a common mode signal from a common mode source to the AC coupling, to a reference input of each amplifier and to the output terminal of each amplifier.

Figure 1