

## Ground noise isolation Amplifier with Adjustable Differential Gain

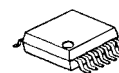
### ■ GENERAL DESCRIPTION

The **NJM2795** is a ground noise isolation amplifier. It contains dual channel differential amplifier with Adjustable Differential Gain.

It is developed for those car audio applications where long connections between head unit and other components are necessary and ground noise has to be eliminated.

Further the **NJM2795** allow the user to alter the gain to optimize the signal-to-noise ratio of their system. It is useful in microphone amplifier applications.

### ■ PACKAGE OUTLINE



NJM2795V

### ■ FEATURES

- Dual Channel Differential Amplifier
- Adjustable Differential Gain +6dB to +52dB
- Operating Voltage 4.3 to 20V
- Operating Current 7mA typ.
- Maximum Output Voltage 2Vrms min., @ THD=1%
- Common mode rejection ratio 80dB typ.
- Supply Voltage Rejection Ratio 65dB typ.
- Total Harmonic Distortion 0.005% typ.
- Equivalent Input Noise Voltage 2μVrms typ. @ Gv=+20dB
- Bipolar Technology
- Package Outline SSOP14

### ■ BLOCK DIAGRAM

