

Stereo Class-D Amplifier

With Analog Signal Inputs

NJR
NEWS

2002

6

October 10, 2002

NJU8755

A New Generation Class-D Amplifier, NJU8755, Achieves a Merger Between Digital and Analog Systems

Following the NJU8721 /NJU8725 ICs as a complete digital solution, and the NJU8711 /NJU8713 ICs as a switching driver, NJR has released a new generation class-D amplifier, the NJU8755, which amplifies analog input signals and produces PWM digital signals.

In contrast to the NJU8721 /NJU8725 which achieves the complete digital solution, the NJU8755 is outstanding for the fusion between digital and analog systems, making use of the conventional analog circuits that you've been designing for your system. Just connecting the class-D amplifier NJU8755 to the analog system configures the stereo BTL (Bridge-tied Load) capable of delivering 1.2W/ch at 5V into 8Ω. The class-D amplifiers are more power efficient and dissipate less than general analog amplifiers.

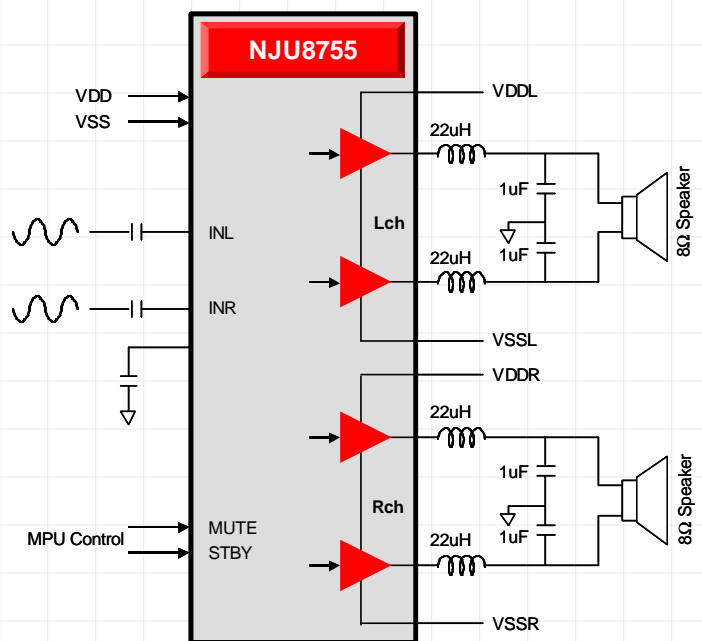
Battery-powered devices such as cell phones, notebook PCs and PDAs, etc., where speakers are built in, are good applications for the NJU8755. In addition, the NJU8755 employs a standby mode designed to reduce power consumption to absolute minimum level during the periods of silence.

Applications

- Cell Phones
- Note PCs
- PDAs
- Portable Audio Applications
- Toys

NOW Available !

NJU8755 Typical Application



- 2-Channel Analog Signal Inputs
- 2-Channel BTL Outputs
- Standby (Hi-Z), BPZ Control
- Built-in Short Protector
- Built-in Low Voltage Detector
- Operating Voltage :2.7 to 5.25V
- CMOS Technology
- Package Outline :SSOP20

JRC **NJR CORPORATION**
A SUBSIDIARY OF NEW JAPAN RADIO COMPANY, LTD.

198 Stauffer Blvd. San Jose, CA 95125

NJR CORPORATION offers Bipolar ICs, CMOS ICs, BiCMOS ICs and GaAs MMICs as well as Saw filters, covering North and South America to provide technical assistance and quick delivery for achieving customer satisfactions. For further information, please contact:

PHONE : (408) - 995-6200 or WWW.NJR.COM

The World's Best Source for High Quality ICs using Bipolar, CMOS, BiCMOS and GaAs Technologies and Saw filters