

Low-Voltage 2-channel Electronic Volume with ealaBASS

■GENERAL DESCRIPTION

The **NJW1200** is a low-voltage 2-channel Electronic Volume with ealaBASS. It includes main volume, 2 stereo inputs selector (Differential Input), 2nd Order HPF. And It performs NJRC original dynamic bass boost technology "ealaBASS" provides graceful bass sound with low distortion.

The **NJW1200** performs low noise and low distortion characteristics with resistance ladder type electrical volume.

The **NJW1200** operates on low supply voltage. And It includes power save function. Therefore, it is suitable for low voltage supply portable systems.

All of internal status and variables are controlled by I²C BUS interface.

■PACKAGE OUTLINE

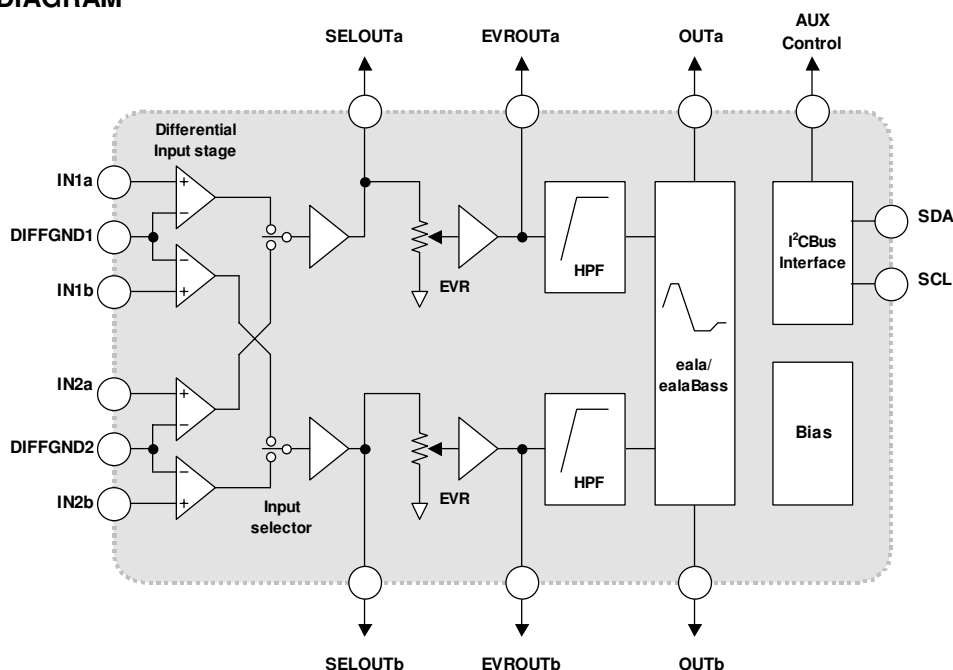


NJW1200V

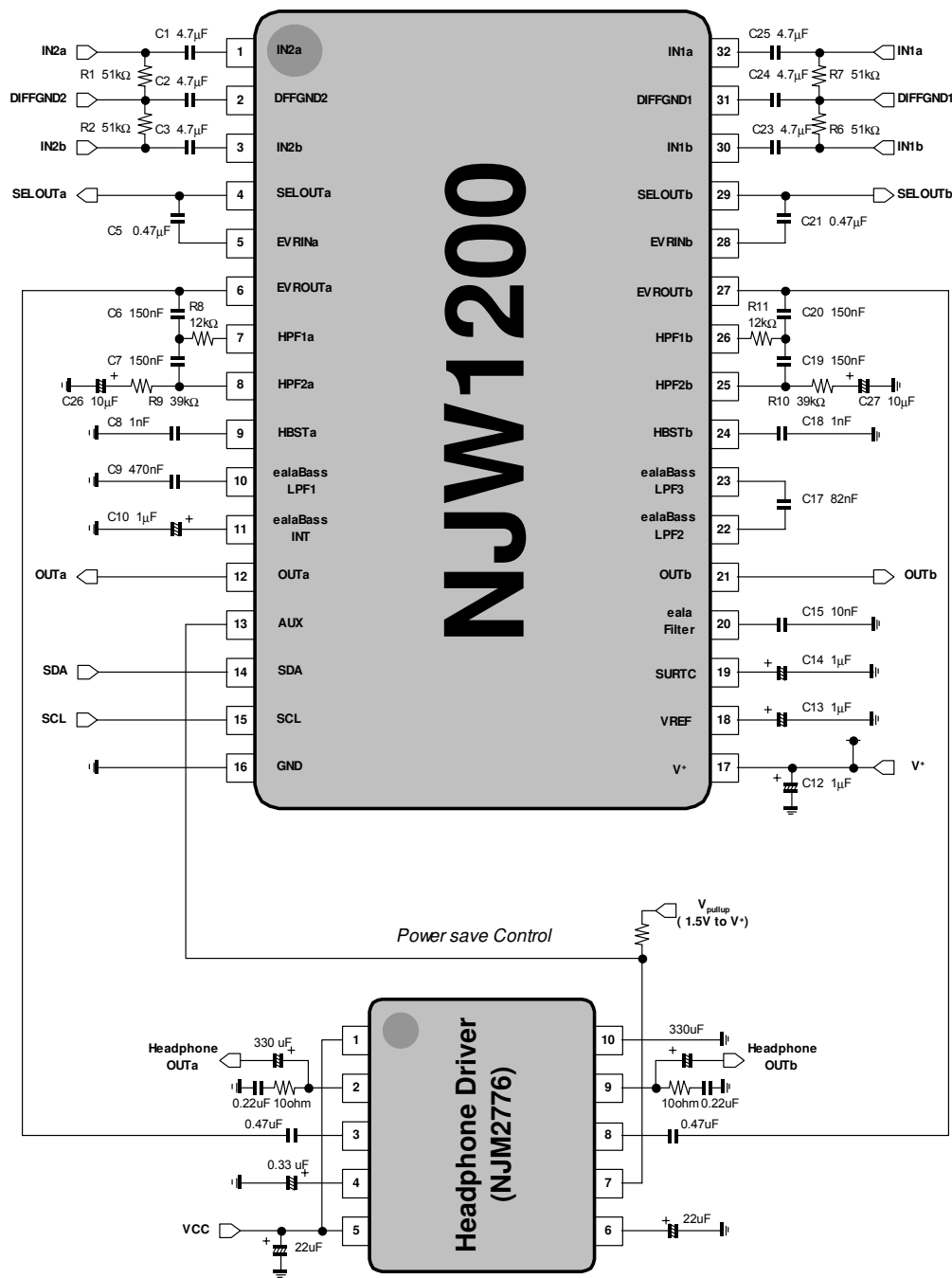
■FEATURES

- Operating Voltage 2.7 to 5.5V
- Low Consumption 3mA typ.
- Power Save Function 120μA typ.
- I²C BUS Interface
- ealaBASS (Dynamic Bass Boost)
- eala (Surround Sound for stereo source) & eala MONO (Surround Sound for monaural source)
- Low Output Noise -100dBV typ.
- Low Distortion 0.07% typ.
- Main Volume 0 to -78dB / 2dB step, Mute
- 2 stereo Inputs Selector (Differential Input)
- 2nd Order HPF
- Bi-CMOS Technology
- Package Outline SSOP32

■BLOCK DIAGRAM



■ Application Circuit



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