

TruSurround™
by SRS (S)

**TruSurround™ 3D Surround
Audio Processor**
NJM2180 DATA SHEET

■ GENERAL DESCRIPTION

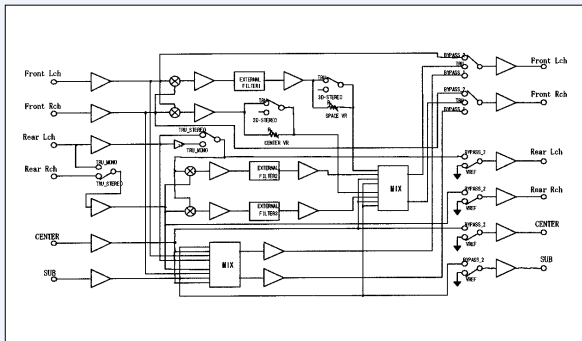
The **NJM2180** is a TruSurround™ 3D Surround Audio Processor. It regenerates full surround sound field with two speakers by internal TruSurround Virtualizer, when either 5.1 channels Dolby Digital or 4 channels Dolby Pro Logic signal is at the input.

The **NJM2180** also includes the SRS 3D Stereo function, and regenerates a 3D sound field with normal L/R input. In addition, the **NJM2180** includes 2-type BYPASS mode THROUGH and MIX DOWN.

The **NJM2180** is suitable for TV, mini component, CD radio cassette, multimedia speaker system and others.

■ FEATURES

- Operating Voltage 4.7 to 13V
- Maximum Input Voltage 1.6Vrms typ.
- Low Output Noise (at TRU5.1 mode) 35μVrms typ.
- SRS 3D-STEREO Function
- BYPASS Function (Through / Mix Down)
- Bipolar Tehnology
- Package Outline SDIP30,SDMP30

■ BLOCK DIAGRAM

TruSurround™
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**Passive Matrix TruSurround™
3D SurroundAudio Processor**
NJM2181 DATA SHEET

■ GENERAL DESCRIPTION

The **NJM2181** is Passive Matrix TruSurround™ 3D Surround Audio Processors. It regenerates the full surround sound field directly with any kind of surround encoded stereo signal input. The internal passive matrix circuits decode the surround encoded stereo signal into the surround sound, and then the TruSurround Virtualizer encodes It into two-speaker virtual surround signal. Therefore, no front processor decoding to the 4 channels is required.

The **NJM2181** also includes the SRS 3D Mono function, and the SRS 3D Stereo function. It is possible that regenerate the virtual stereo output from monaural input, and regenerate the 3D sound from standard L/R input.

■ FEATURES

- Operating Voltage 4.7 to 13V
- Maximum Input Voltage(at TRU mode) 1.5Vrms typ.
- Low Output Noise (at TRU mode) 32μVrms typ.
- Passive Matrix TruSurround
- SRS 3D Mono / SRS 3D Stereo Function
- BYPASS Function (Through)
- Bipolar Technology
- Package Outline SDIP24, DMP24

■ BLOCK DIAGRAM
