

TruSurround™
by SRS

Passive Matrix TruSurround™ 3D Surround Audio Processor

NJM2187 DATA SHEET

■ GENERAL DESCRIPTION

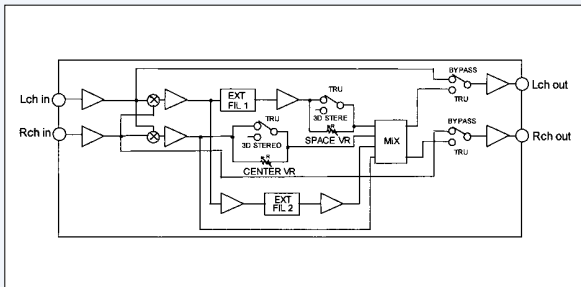
The **NJM2187** are Passive Matrix TruSurround™ 3D Surround Audio Processors. They regenerate the full surround sound field directly with any kind of surround encoded stereo signal input. The internal passive matrix circuits decode the surround encoded stereo signal into the surround sound once, then the TruSurround Virtualizer encodes it into two-speaker virtual surround signal. Therefore, no front processor decoding to the 4 channels is required.

The **NJM2187** also include the SRS 3D Stereo function, and regenerate a 3D sound field with normal L/R input.

■ FEATURES

- Operating Voltage 4.7 to 13V
- Maximum Input Voltage 2.1Vrms typ.
- Low Output Noise (at TRU mode) 35μVrms typ.
- Passive Matrix TruSurround (Center, Space VR Variable)
- SRS 3D Stereo Function (Center, Space VR Variable)
- BYPASS Function (Through)
- Bipolar Technology
- Package Outline SDIP30, SDMP30

■ BLOCK DIAGRAM


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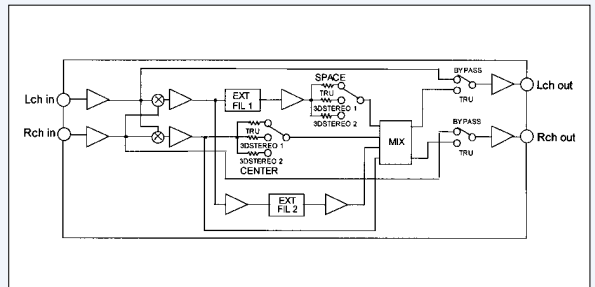
The **NJM2188** are Passive Matrix TruSurround™ 3D Surround Audio Processors. They regenerate the full surround sound field directly with any kind of surround encoded stereo signal input. The internal passive matrix circuits decode the surround encoded stereo signal into the surround sound once, then the TruSurround Virtualizer encodes it into two-speaker virtual surround signal. Therefore, no front processor decoding to the 4 channels is required.

The **NJM2188** also include the SRS 3D Stereo function, and regenerate a 3D sound field with normal L/R input.

■ FEATURES

- Operating Voltage 4.7 to 13V
- Maximum Input Voltage 1.5Vrms typ.
- Low Output Noise (at TRU mode) 32μVrms typ.
- Passive Matrix TruSurround
- SRS 3D Stereo Function (2 Grade Switch for 3D Effect)
- BYPASS Function (Through)
- Bipolar Technology
- Package Outline DIP16, DMP16, SSOP16

■ BLOCK DIAGRAM



Note: TruSurround, SRS and the (●), are trademarks of SRS Labs, Inc.