DYNAFEX™ NOISE REDUCTION SYSTEM

DESCRIPTION

The SSM 2200 is a single-channel noise reduction system utilizing the proprietary Dynafex™ circuitry developed by MICMIX Audio Products, Inc. (patents pending). The monolithic device provides up to 30 dB of noise reduction without the encode/decode process and can be used to eliminate noise from virtually any audio source.

The circuit incorporates dynamically variable bandwidth limiting and a unique type of downward expansion. The bandwidth limiting portion continuously analyzes and responds to frequency content of the input signal, while the expander section analyzes and responds to signal amplitude. By utilizing these two types of noise reduction simultaneously, a greater amount of noise reduction can be realized than in typical dynamic filtering schemes. By being a single-ended system, the Dynafex circuitry provides a much wider range of applications than a companding type device.

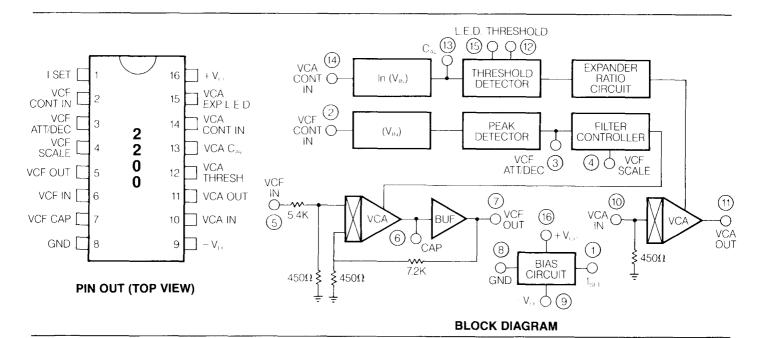
FEATURES

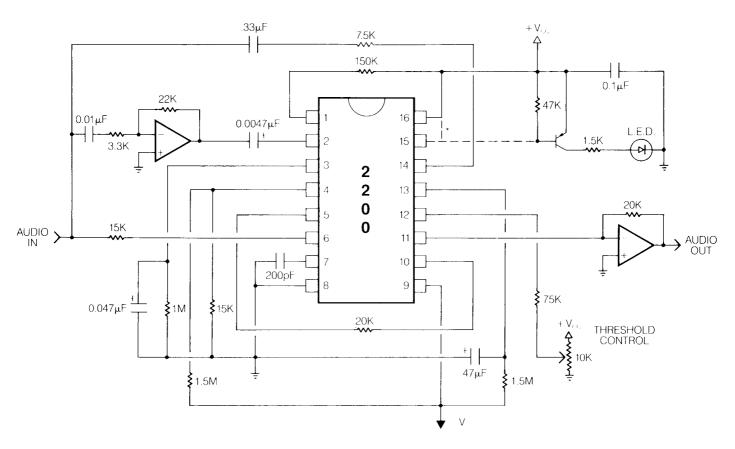
- Up to 30 dB of Noise Reduction
- Useful on any Audio Signal
- Dynamic Range of 110 dB
- THD of 0.04%
- \blacksquare Operates Off of +/-6 to +/-15 Volts

APPLICATIONS

- Studio and Sound Reinforcement Mixing Consoles
- Audio and Video Tape Recorders
- Broadcast Signal Processors
- Motion Picture Equipment
- High-End Consumer Hi-Fi Systems

- Complete Control of all Filter Parameters
- Adjustable Filter Attack and Release Time
- Adjustable Expander Section Response Time
- Control Over VCA Shut-Down Level
- Downward Expansion Indicator Output
- Telecommunications Systems
- Two-Way Radio
- Cable Television Operations
- Video and Audio Tape Duplication (One-to-One Only)
- Electronic Musical Instruments





SSM 2200 (BASIC CONNECTION)

*Optional Downward Expansion Indicator Drive. Connect Pin 15 to Pin 16 If Not Required.

The preceding has been preliminary information. Contact SSMT for more details. Complete data and sampler should be available around mid November 1983.

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