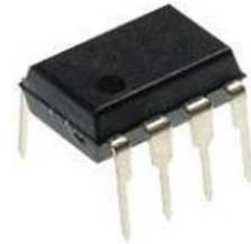


High Common-Mode Rejection Differential Line Receiver; Package: PDIP; No of Pins: 8; Temperature Range: TBD

Manufacturers	Analog Devices, Inc
Package/Case	PDIP-8
Product Type	Amplifier ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for SSM2141PZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The SSM2141 is an integrated differential amplifier intended to receive balanced line inputs in audio applications requiring a high level of noise immunity and optimum common-mode rejection. The SSM2141 typically achieves 100 dB of common-mode rejection (CMR), whereas implementing an op amp with four off-the-shelf precision resistors will typically achieve only 40 dB of CMR-inadequate for high-performance audio.

The SSM2141 achieves low distortion performance by maintaining a large slew rate of 9.5 V/μs and high open-loop gain. Distortion is less than 0.002% over the full audio bandwidth. The SSM2141 complements the SSM2142 balanced line driver. Together, these devices comprise a fully integrated solution for equivalent transformer balancing of audio signals without the problems of distortion, EMI fields, and high cost.

Additional applications for the SSM2141 include summing signals, differential preamplifiers, and 600 Ohm low distortion buffer amplifiers. For similar performance with

Features

- High Common-Mode RejectionDC: 100 dB typ60 Hz: 100 dB typ20 kHz: 70 dB typ40 kHz: 62 dB typ
- Low Distortion: 0.001% typ
- Fast Slew Rate: 9.5 V/μs typ
- Wide Bandwidth: 3 MHz typ
- Low Cost
- Complements SSM2142 Differential Line Driver

Application

- Line Receivers
- Summing Amplifiers
- Buffer Amplifiers–Drives 600 Ω Load

Related Products



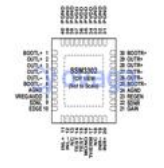
[SSM2143SZ](#)

Analog Devices, Inc
SOIC-8



[SSM2164S](#)

Analog Devices, Inc
SOP-16



[SSM3302ACPZ](#)

Analog Devices, Inc
LFCSP-40



[SSM2165-1S](#)

Analog Devices, Inc
SOP8



[SSM2211SZ](#)

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[SSM2135SZ](#)

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[SSM2142PZ](#)

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