



PCM1800

Single-Ended Analog Input 20-Bit Stereo ANALOG-TO-DIGITAL CONVERTER

FEATURES

- DUAL 20-BIT MONOLITHIC $\Delta\Sigma$ ADC
- SINGLE-ENDED VOLTAGE INPUT
- 64X OVERSAMPLING DECIMATION FILTER:
Passband Ripple: $\pm 0.05\text{dB}$
Stopband Attenuation: -65dB
- HIGH PERFORMANCE:
THD+N: 0.004% (typ)
SNR: 95dB (typ)
Dynamic Range: 95dB (typ)
Internal High Pass Filter
- PCM AUDIO INTERFACE:
Master/Slave Modes
4 Data Formats
- SAMPLING RATE: 32kHz, 44.1kHz, 48kHz
- SYSTEM CLOCK: $256f_s$, $384f_s$, or $512f_s$
- SINGLE +5V POWER SUPPLY
- SMALL 24-PIN SSOP PACKAGE

DESCRIPTION

PCM1800 is a low cost, single chip stereo analog-to-digital converter with single-ended analog voltage inputs. The PCM1800 uses a delta-sigma modulator with 64X oversampling, including a digital decimation filter and serial interface which supports both Master and Slave Modes and four data formats. PCM1800 is suitable for a wide variety of cost-sensitive consumer applications where high performance is required.

PCM1800 is fabricated on a highly advanced CMOS process.

