

Data Sheet

FEATURES

118 dB DAC dynamic range and SNR

-98 dB THD + N

Differential voltage DAC output

2.5 V digital, 5 V analog and 3.3 V or 5 V I/O supplies

521 mW total (32.6 mW/channel) quiescent power

PLL generated or direct MCLK master clock

Low EMI design

Linear regulator driver to generate digital supply

Supports 24-bit and 32 kHz to 192 kHz sample rates

Low propagation 192 kHz sample rate mode

Log volume control with autoramp function

Temperature sensor with digital readout $\pm 3^{\circ}\text{C}$ accuracy

SPI and I²C controllable for flexibility

Software-controllable clickless mute

Software power-down

Right-justified, left-justified, I²S, and TDM modes

Master and slave modes with up to 16-channel input/output

80-lead LQFP package

Qualified for automotive applications

APPLICATIONS

Automotive audio systems

Home theater systems

Digital audio effects processors