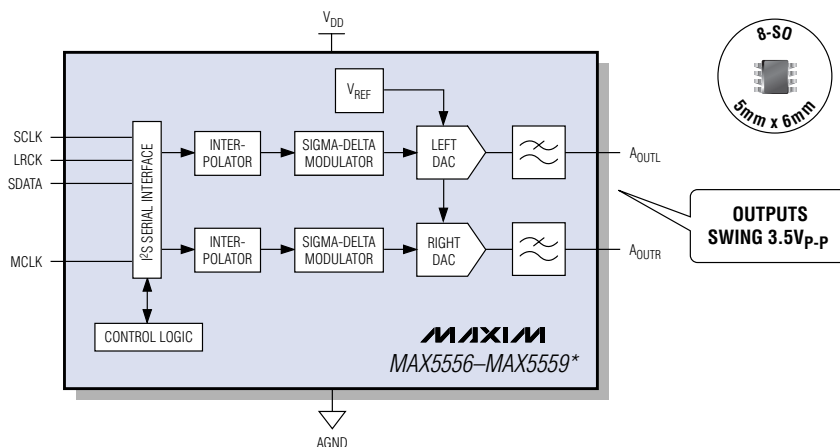


# LOW-COST, 24-BIT STEREO DACs PROVIDE 87dB DYNAMIC RANGE

## Improved Performance—Clickless, Popless, Glitch-Free Operation

The MAX5556–MAX5559\* are sigma-delta stereo DACs that operate with sample clock rates up to 48kHz. They provide less than -87dB THD+N. These stereo DACs are ideal for digital audio entertainment applications.

**CLICKLESS, POPLESS,  
GLITCH-FREE OPERATION**



- ◆ Output Muted During Loss of Clock; Glitch-Free Return to Normal Operation When Clock Is Restored
- ◆ Line Level Outputs Swing 3.5V<sub>p-p</sub> (typ) with 10k $\Omega$  Load
- ◆ THD+N < -87dB, with 87dB Dynamic Range
- ◆ Single +5V Supply Operation
- ◆ I<sup>2</sup>S-Compatible Data Interface (MAX5556)
- ◆ Click-and-Pop-Free Power-Up and Power-Down
- ◆ Operation with  $f_s = 2\text{kHz}$  to 48kHz from MCLK Up to 25MHz; Automatic Detection of Clock Divisor (MCLK/LRCK)
- ◆ Built-In Interpolation and Analog Output Filters
- ◆ 8-Pin SO Package
- ◆ Pin Compatible with CS4334/5/8/9
- ◆ Pricing Starts at \$0.99<sup>†</sup> (MAX5556)

**MULTIPLE  
INTERFACE  
OPTIONS**

Part	Temp Range (°C)	Interface	Package
MAX5556	-40 to +85	16- to 24-bit I <sup>2</sup> S	8-SO
MAX5557*	-40 to +85	16- to 24-bit, left justified	8-SO
MAX5558*	-40 to +85	16-bit, right justified	8-SO
MAX5559*	-40 to +85	18-bit, right justified	8-SO

\*Future product—contact factory for availability.

<sup>†</sup>1000-up recommended resale. Prices provided are for design guidance and are FOB USA. International prices will differ due to local duties, taxes, and exchange rates. Not all packages are offered in 1k increments, and some may require minimum order quantities.

# MAXIM

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