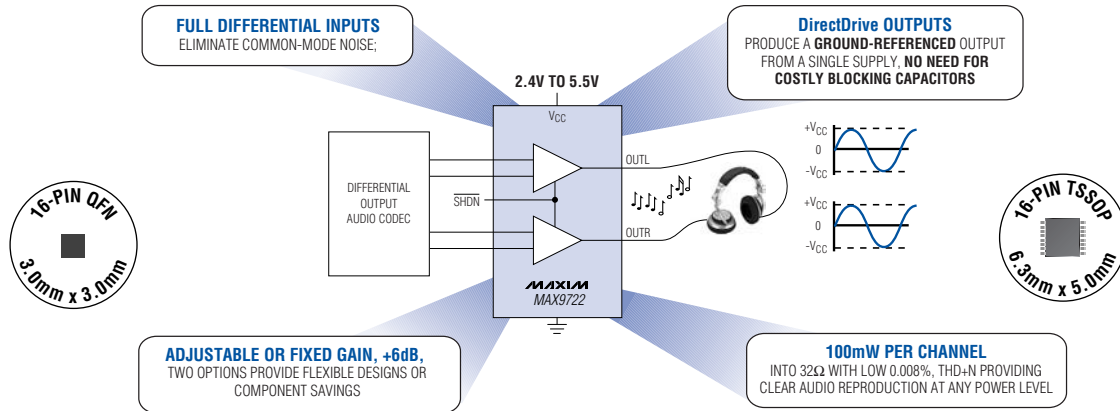


# REVOLUTIONARY 5V DirectDrive HEADPHONE AMP WITH DIFFERENTIAL INPUTS

**MAX9722 Architecture Eliminates Large Costly DC Blocking Capacitors, Offers Differential Inputs and 2V<sub>RMS</sub> Output**



- ◆ High PSRR (-93dB) Eliminates LDO
- ◆ ±8kV ESD Protection On Outputs
- ◆ Integrated Click and Pop Suppression

Part	Description	P <sub>OUT</sub> (mW)	THD+N %	Operating Voltage (V)	Gain	Pin-Package
<b>NEW</b> MAX9722	2.4V to 5.5V operating voltage, DirectDrive, with differential inputs	100 into 32Ω	0.008	2.4 to 5.5	Fixed and adjustable versions	16-QFN (3mm x 3mm x 0.8mm) 16-TSSOP
MAX9721*	0.9V to 1.8V operating voltage, DirectDrive, targeting MP3 and Mini CD players	25 into 16Ω	0.01	0.9 to 1.8	Fixed and adjustable versions	12-QFN (4mm x 4mm x 0.8mm) 12-UCSP (1.6mm x 2.02mm)
MAX9723*	DirectDrive with bass boost, volume control and I <sup>2</sup> C™ control	50 into 16Ω	0.01	1.8 to 3.6	Fixed and adjustable versions	16-QFN (4mm x 4mm x 0.8mm) 16-UCSP (2.02mm x 2.02mm)
MAX4409	DirectDrive with common-mode sense	80 into 16Ω	0.003	1.8 to 3.6	Adjustable	14-TSSOP 20-QFN (4mm x 4mm x 0.8mm)
MAX4410/ MAX4411	DirectDrive with shutdown	80 into 16Ω	0.005/0.003	1.8 to 3.6	Fixed and adjustable versions	14-TSSOP 16-UCSP (2.02mm x 2.02mm) 20-QFN (4mm x 4mm x 0.8mm)
MAX9720	DirectDrive with SmartSense and Shutdown	80 into 16Ω	0.003	1.8 to 3.6	Fixed	14-TSSOP 16-UCSP (2.02mm x 2.02mm)

\*Future product—contact factory for availability.

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