



TPA4861DR ✓ ACTIVE

1-W, mono, analog input, Class-AB audio amplifier with shutdown mode & selectable gain

Same as: TPA4861DRG4

US ECCN: EAR99

DATA SHEET  [Download the data sheet for the TPA4861](#) | [View all additional information for the TPA4861](#)

Quality information

RoHS	Yes
REACH	Yes
Lead finish / Ball material	NIPDAU
MSL rating / Peak reflow	Level-1-260C-UNLIM
Quality, reliability & packaging information 	View or download

Packaging information

Package Pins	Package qty Carrier:	Operating temperature range (°C)
SOIC (D) 8	2,500 LARGE T&R <i>Custom reel may be available</i>	-40 to 85

 [View TI packaging information](#)

Features for the TPA4861

- 1-W BTL Output (5 V, 0.11 % THD+N)
- 3.3-V and 5-V Operation
- No Output Coupling Capacitors Required
- Shutdown Control ($I_{DD} = 0.6 \mu A$)
- Uncompensated Gains of 2 to 20 (BTL Mode)
- Surface-Mount Packaging
- Thermal and Short-Circuit Protection
- High Supply Ripple Rejection Ratio (56 dB at 1 kHz)
- LM4861 Drop-In Compatible

More TPA4861 information

[Parametrics](#)

[Technical documentation](#)

[Design & development](#)

[Support & training](#)

Description for the TPA4861

The TPA4861 is a bridge-tied load (BTL) audio power amplifier capable of delivering 1 W of continuous average power into an 8- Ω load at 0.2% THD+N from a 5-V power supply in voiceband frequencies ($f < 5$ kHz). A BTL configuration eliminates the need for external coupling capacitors on the output in most applications. Gain is externally configured by means of two resistors and does not require compensation for settings of 2 to 20. Features of the amplifier are a shutdown function for power-sensitive applications as well as internal thermal and short-circuit protection. The TPA4861 works seamlessly with TI's TPA4860 in stereo applications. The amplifier is available in an 8-pin SOIC surface-mount package that reduces board space and facilitates automated assembly.