

ADL Series Analog DC-Powered Linear Amplifiers

- *Over temperature protection*
- *Very low electrical noise*
- *Integrated forced-aircooling*
- *Digital on-the-fly gain control (DTS)*
- *Ideal for high-precision positioning applications when low noise operation is essential*
- *Can be operated in Voltage or Current mode*



ADL41 / ADL43 Series

- Linear amplifier to drive brushless motor or voice coil (*for ADL41 only*)
- Linear amplifier to drive brushless rotary or linear motor (*for ADL43 only*)
- Sinusoidal or trapezoidal operation (*for ADL43 only*)

Datasheet

Specifications \ Model	ADL41-2	ADL41-8	ADL43-8
Minimum DC supply voltage, VDC	15.0	15.0	15.0
Maximum supply voltage, VDC	48	48.0	48
Continuous RMS current limit, A	1.0	4.0	4.0
Peak current limit, RMS, A	2.0	8.0	8.0
Current loop bandwidth, kHz	5.0	5.0	5.0
Dedicated I/O	<ul style="list-style-type: none"> • Inhibit • Fault 	<ul style="list-style-type: none"> • Inhibit • Fault 	<ul style="list-style-type: none"> • Inhibit • Fault
Feedback options	-	-	Digital Halls
Protection and faults	<ul style="list-style-type: none"> • Current limit • Temperature limit 	<ul style="list-style-type: none"> • Current limit • Temperature limit 	<ul style="list-style-type: none"> • Current Limit • Temperature Limit