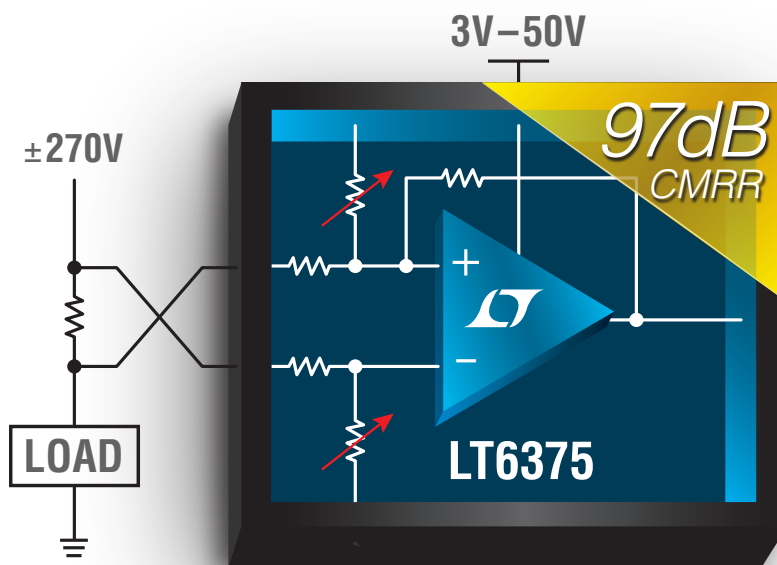


# ±270V Precision Difference Amplifier

## Wide Common Mode Bidirectional Current Monitor

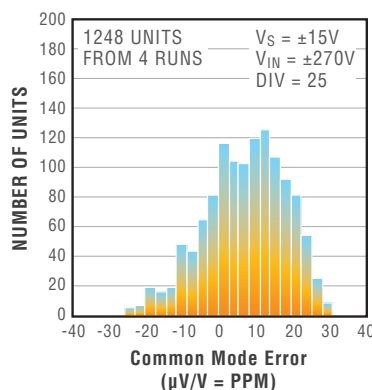


**Tailored precision.** The LT6375 delivers 97dB min CMRR, ultralow gain error, drift, and nonlinearity for applications where a differential signal must be precisely extracted from a common mode of up to ±270V. Precision matched internal resistors can be configured to match various input ranges, resulting in the best noise, precision and speed for a wide variety of system designs. The Over-The-Top® amplifier at the heart of the LT6375 enables operation from 3.3V to 50V supplies.

### ▼ Features

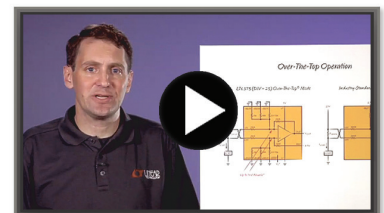
- ±270V Common Mode Input Voltage Range
- 97dB Min CMRR
- 0.0035% Max Gain Error
- 1ppm/°C Max Gain Error Drift
- 2ppm Max Gain Nonlinearity
- Selectable Resistor Divide Ratio (7:1 to 25:1 Range)
- 3.3V to 50V Supply Voltage Range

Typical Distribution of Common Mode Error



### ▼ Info & Free Samples

[www.linear.com/product/LT6375](http://www.linear.com/product/LT6375)  
1-800-4-LINEAR



[video.linear.com/5972](http://video.linear.com/5972)

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