

General Description

The ET7107 are high performance, low power, 3 1/2 digit A/D converters. Included are seven segment decoders, display drivers, a reference, and a clock. The ET7107 will directly drive an instrument size light emitting diode (LED) display. The ET7107 bring together a combination of high accuracy, versatility, and true economy. It features auto-zero to less than 10µV, zero drift of less than 1µV/°C, input bias current of 10pA (Max), and rollover error of less than one count. True differential inputs and reference are useful in all systems, but give the designer an uncommon advantage when measuring load cells, strain gauges and other bridge type transducers.

Features

- Guaranteed Zero Reading for 0V Input on All Scales
- True Polarity at Zero for Precise Null Detection
- 1pA Typical Input Current
- True Differential Input and Reference, Direct Display Drive - LED ET7107
- Low Noise - Less Than 15µVP-P
- On Chip Clock and Reference
- Low Power Dissipation - Typically Less Than 10mW
- No Additional Active Circuits Required
- Enhanced Display Stability
- Package: DIP40(ET7107P), LQFP44(ET7107Q)

Pin Configuration

