



## 23 AND 33

### Standard

#### SPECIFICATIONS

- **PC Board Mountable Pressure Sensor**
- **0-100 mV Output**
- **Current Excitation**
- **Gage and Differential**
- **Temperature Compensated**

The 23 and 33 are temperature compensated, piezoresistive silicon pressure sensors packaged in a TO-8 configuration. It provides excellent performance and long-term stability.

Gage and absolute pressure ranges from 0-2 to 0-250 psi are available. Integral temperature compensation is provided over a range of 0-50°C using laser-trimmed resistors. An additional laser-trimmed resistor is included to normalize pressure sensitivity variations by programming the gain of an external differential amplifier. This provides sensitivity interchangeability of  $\pm 1\%$ .

Please refer to the 23 and 33 1 psi datasheets for low pressure applications.

## FEATURES

- TO-8 Package
- 0°C to 50°C Compensated Temperature Range
- ±0.1% Non Linearity
- 1.0% Interchangeable Span (provided by gain set resistor)
- Solid State Reliability

## APPLICATIONS

- Medical Instruments
- Process Control
- Factory Automation
- Handheld Calibrators
- Airspeed Measurement

## STANDARD RANGES

Range	23	33
	psig	psid
0 to 2	•	•
0 to 5	•	•
0 to 10	•	•
0 to 15	•	•
0 to 30	•	•
0 to 50	•	•
0 to 100	•	•
0 to 250	•	•