



## Precision Op Amp from Diodes Incorporated Features Ultra-Low Input Offset Voltage and Low Noise

**Plano, Texas – July 30, 2020** - Diodes Incorporated (NASDAQ: DIOD) today announced its first precision operational amplifier. The [AS2333](#) uses chopper stabilization to achieve ultra-low input offset voltage of 8 $\mu$ V (typical) and near-zero drift (0.02 $\mu$ V/degree C, typical) over time and temperature. The chopper stabilization also addresses low frequency 1/f noise and offset voltage crossover distortion. Typical applications for the AS2333 include transducers, medical equipment, chemical detectors, and handheld test instruments.

The AS2333 features a typical common-mode rejection ratio of 120dB and a typical open loop gain of 130dB useful for small signal sensors that measure parameters such as pressure, sound, light, temperature, voltage, and current. As many applications have very low output signals, they require precision amplification with low offset and low noise.

The high precision, dual channel amplifier also features high impedance inputs with a common-mode range 100mV beyond the supplies and an output swing that is within 50mV of the rails. Features for battery-operated applications include a typical quiescent current of 12 $\mu$ A and supplies as low as 1.8V ( $\pm$ 0.9V).

The [AS2333](#) is available in SO-8 and MSOP-8 packages priced at \$0.38 in 2500 piece quantities.

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### About Diodes Incorporated

Diodes Incorporated (Nasdaq: DIOD), a Standard and Poor's SmallCap 600 and Russell 3000 Index company, delivers high-quality semiconductor products to the world's leading companies in the consumer electronics, computing, communications, industrial, and automotive markets. We leverage our expanded product portfolio of discrete, analog, and mixed-signal products and leading-edge packaging technology to meet customers' needs. Our broad range of application-specific solutions and solutions-focused sales, coupled with worldwide operations of 28 sites, including engineering, testing, manufacturing, and customer service, enables us to be a premier provider for high-volume, high-growth markets. For more information visit [www.Diodes.com](http://www.Diodes.com).

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