



60V, 70dB PSRR LDOs from Diodes Incorporated Deliver Industry-Leading Quiescent Current

Plano, Texas – March 23, 2022 – Diodes Incorporated (Diodes) (NASDAQ: DIOD) has added to its portfolio of power management products with the introduction of a new series of low drop-out (LDO) voltage regulators. The DIODES™ [AP7387](#) devices are used in applications such as cordless vacuum cleaners, smoke detectors, power tools, and various other household appliances.

The devices have an input voltage range spanning from 5V to 60V, which gives them the flexibility to be connected to 5V, 9V, 12V, 24V, and 48V rails. With a quiescent current of just 2 μ A, which is significantly below that of competing devices, these LDOs present a minimal draw on the battery resources. As a consequence, the operational runtime of equipment that they are integrated into can be extended.

Despite only consuming 2 μ A of current, the AP7387 series has a high power supply rejection ratio (PSRR) of 70dB at 1kHz, plus a fast line/load transient response which helps mitigate sudden input voltage and load current changes. Both attributes make them well-suited to noise sensitive implementations.

The AP7387 devices are rated at 150mA output current and are available in 3.0V, 3.3V, 3.6V, and 5V fixed output voltage versions with \pm 2% output tolerance. Current limit, short-circuit and thermal shutdown protection mechanisms have all been incorporated to improve device and system robustness. In addition, they meet 4kV human body model (HBM) electrostatic discharge (ESD) requirements.

The [AP7387](#) series is supplied in SOT23, SOT25, SOT89, and U-DFN2020-6 packages, and available at \$0.26 in 1000 piece quantities.

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 31 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.

DIODES is a trademark of Diodes Incorporated in the United States and other countries.

The Diodes logo is a registered trademark of Diodes Incorporated in the United States and other countries.

Company Contact:

Diodes Incorporated
Emily Yang
SVP, Worldwide Sales and Marketing
P: 972-987-3900
[Contact Us](#)

Investor Relations Contact:

Shelton Group
Leanne K. Sievers
President
P: 949-224-3874
E: lsievers@sheltongroup.com