



For immediate release

New Dual LDO with High PSRR and Low Quiescent Current from Diodes Incorporated is Aimed at Primary Cell Applications

Plano, TX – March 29, 2019 – Diodes Incorporated (Nasdaq: DIOD), a leading global manufacturer and supplier of high-quality application specific standard products within the broad discrete, logic, analog and mixed-signal semiconductor markets, today announced the AP7345D family of dual low-dropout (LDO) voltage regulators that offer high power supply rejection ratio (PSRR) and low quiescent current, making them suitable for applications powered by primary cells such as AA or AAA batteries.

The AP7345D offers independent voltage input with an enable pin for controlling the output. This provides for more flexibility when designing the power source for applications. Each channel switches off or on within approximately 10µs of the EN pin changing state, while the EN pin on each channel can also be tied high if output control is not required.

The AP7345D family features an excellent PSRR of 75dB at 1kHz, across the full output voltage range. The input voltage range extends from 1.7V to 5.25V and each of the two channels can deliver up to 300mA, guaranteed. The inclusion of short-circuit protection ensures the LDO does not sustain damage in the event of a short circuit on either of the output voltage rails.

The family comprises 22 devices covering a range of fixed dual-input/dual-output voltages between 1.2V and 3.6V, with an accuracy of ±1%. With such a comprehensive range, the AP7345D family can address a wide variety of battery-powered applications. The addition of an LDO enables more of the primary cells' voltage to be used, extending the useful lifetime between battery changes. In addition, choosing an LDO with high PSRR ensures a steady and regulated supply voltage to sensitive integrated circuits.

The AP7345D is packaged in X2-DFN1612-8 package, providing a small PCB footprint to enable high levels of power density. Further information is available at www.diodes.com

About Diodes Incorporated

Diodes Incorporated (Nasdaq: DIOD), a Standard and Poor's SmallCap 600 and Russell 3000 Index company, is a leading global manufacturer and supplier of high-quality application specific standard products within the broad discrete, logic, analog, and mixed-signal semiconductor markets. Diodes serves the consumer electronics, computing, communications, industrial, and automotive markets. Diodes' products include diodes, rectifiers, transistors, MOSFETs, protection devices, function-specific arrays, single gate logic, amplifiers and comparators, Hall-effect and temperature sensors, power management devices, including LED drivers, AC-DC converters and

controllers, DC-DC switching and linear voltage regulators, and voltage references along with special function devices, such as USB power switches, load switches, voltage supervisors, and motor controllers. Diodes also has timing, connectivity, switching, and signal integrity solutions for high-speed signals. Diodes' corporate headquarters and Americas' sales office are located in Plano, Texas and Milpitas, California. Design, marketing, and engineering centers are located in Plano; Milpitas; Taipei, Taiwan; Taoyuan City, Taiwan; Zhubei City, Taiwan; Manchester, England; and Neuhaus, Germany. Diodes' wafer fabrication facility is located in Manchester, with an additional facility located in Shanghai, China. Diodes has assembly and test facilities located in Shanghai, Jinan, Chengdu, and Yangzhou, China, as well as in Hong Kong, Neuhaus, and Taipei. Additional engineering, sales, warehouse, and logistics offices are located in Taipei; Hong Kong; Manchester; Shanghai; Shenzhen, China; Seongnam-si, South Korea; Munich, Germany; and Tokyo, Japan, with support offices throughout the world.

Recent news releases, annual reports and SEC filings are available at the Company's website: <http://www.diodes.com>. Written requests may be sent directly to the Company, or they may be e-mailed to: diodes-fin@diodes.com.

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