For immediate release

Grade 0 Automotive-Compliant Omnipolar Hall-Effect Switches from Diodes Incorporated are Designed for Robust Automotive Applications

Plano, TX – February 14, 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 its market-leading AH356xQ series of omnipolar Hall-effect switches, which are fully certified for automotive applications and qualified to AEC-Q100 Grade 0. Typical applications for these rugged Hall-effect switches include position and proximity sensing, open and close detection, level detection and flow metering. The switches feature a wide operating voltage range of 3V to 28V with an impressive 8kV HBM ESD rating.

As well as being fully certified to meet environmental, quality and regulatory demands in the automotive industry, the AH356xQ series has been designed to meet AEC-Q100 Grade 0, meaning it can operate across an extended ambient temperature range of -40°C to +150°C. Other features include input supply reverse polarity and overvoltage protection, along with output overvoltage and overcurrent protection.

"These high-voltage rugged automotive-qualified omnipolar Hall-effect switches are well-suited for automotive proximity and level detection applications", said Simon Ramsdale, worldwide automotive IC marketing manager for Diodes Incorporated. "Thanks to their Grade 0 qualification, these switches offer a great combination of performance and robustness."

The AH356xQ series offers three devices available with different tight magnetic switching thresholds, all offering high threshold stability and low temperature drift. All of the devices in the AH356xQ series feature active-low, open-drain outputs and offer fast power-up (10µs) and response times (3.75µs), making the devices particularly suitable for time-critical applications in protection and fault detection.

The AH356xQ series is available in SOT23 (tape-and-reel) and SIP-3 ('ammo' or bulk) packages. 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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