

## New Product Announcement

# Mouser Electronics Now Shipping the Vishay VEML6070 UV Light Sensor

June 11, 2015 – [Mouser Electronics](http://www.mouser.com), Inc., the global authorized distributor with the newest semiconductors and electronic components, is now stocking the [VEML6070 UV Light Sensor](#) from [Vishay Intertechnology](http://www.vishay.com). The VEML6070 is an advanced, CMOS ultraviolet (UV) light sensor with an I2C protocol interface and high dynamic detection resolution. With an integrated signal conditioning IC, photodiode, amplifiers, and analog/digital circuits in a single chip, the VEML6070 provides excellent measurement in a small 2.35 x 1.8 x 1.0mm package, which makes it ideal for applications such as handheld devices, wearables, and [health](#) and fitness devices.

The [Vishay VEML6070 UV Light Sensor](#), available from Mouser Electronics, contains an 8-bit command register written via the I2C bus. All operations can be controlled by the command register, with a simple command structure that enables engineers to easily program the operation setting and latch the light data from the sensor. The sensor offers 16-bit resolution to convert solar UV light intensity to digital data, and includes an active acknowledge feature that allows it to transmit ultraviolet index (UVI) alerts based on programmable thresholds.

The VEML6070 sensor operates on a supply voltage of 2.7V to 5.5V with typical current ratings of 250  $\mu$ A (supply) and 1  $\mu$ A (standby). The sensor detects the entire spectrum of UVA and UVB wavelengths (280–400 nm), with a typical sensitivity of 5  $\mu$ W/cm<sup>2</sup>/step and a maximum detection of 328 mW/cm<sup>2</sup>. The device is compliant to RoHS directive 2002/95/EC, is free of halogens, and is compatible with lead-free (Pb-free) soldering. The VEML6070 is ideal for a variety of mobile, [lighting](#), and [sensor](#) applications, including smartphones, digital cameras, [industrial](#) devices and displays.

To learn more, visit <http://www.mouser.com/new/vishay/vishay-veml6070-sensor/>.

With its broad product line and unsurpassed customer service, Mouser caters to design engineers and buyers by delivering What's Next in advanced technologies. Mouser offers customers 21 global support locations and stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is updated daily and searches more than 10 million products to locate over 4 million orderable part numbers available for easy online purchase. Mouser.com also houses an industry-first interactive catalog, data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

### **About Mouser Electronics**

Mouser Electronics, a subsidiary of TTI, Inc., is part of Warren Buffett's Berkshire Hathaway family of companies. Mouser is an award-winning, authorized semiconductor and electronic component distributor, focused on the rapid introduction of new products and technologies to electronic design engineers and buyers. Mouser.com features more than 4 million products online from more than 500 manufacturers. Mouser publishes multiple catalogs per year providing designers with up-to-date data on the components now available for the next generation of electronic devices. Mouser ships globally to over 500,000 customers in 170 countries from its 492,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit <http://www.mouser.com>.

### **About Vishay Semiconductors**

Vishay Intertechnology, Inc., a Fortune 1,000 Company listed on the NYSE (VSH), is one of the world's largest manufacturers of discrete semiconductors (diodes, MOSFETs and infrared optoelectronics) and passive electronic components (resistors, inductors and capacitors). These components are used in virtually all types of electronic devices and equipment in the industrial, computing, automotive, consumer, telecommunications, military, aerospace, power supplies, and medical markets. Vishay's product innovations, successful acquisition strategy and "one-stop shop" service have made it a global industry leader.

### **Trademarks**

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– 30 –

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