

New Product Announcement

Bosch's BMA400 Triaxial Accelerometers, Now Available from Mouser Electronics, Slash Current Consumption by 10x

October 1, 2018 – [Mouser Electronics](http://www.mouser.com), Inc., the authorized global distributor with the newest semiconductors and electronic components, is now stocking the ultra-low power [BMA400](#) triaxial accelerometers from [Bosch](http://www.bosch.com). Offering an industry-leading balance of high performance and [low power consumption](#), the CES 2018 award-winning BMA400 accelerometers draw ten times less current than similar acceleration [sensors](#). Suitable for devices requiring always-on battery systems, the BMA400 accelerometers are ideal for [Internet of Things](#) (IoT) and wearables applications.

The [Bosch BMA400](#) triaxial accelerometers, available from Mouser Electronics, detect tilt, orientation and tap/double tap, and integrate a plug-and-play, activity-recognizing step counter. The accelerometers feature an output data rate (ODR) of 12.5 Hz to 800 Hz and low pass filters down to 3.2 μ A with a selectable bandwidth of 0.48 \times ODR or 0.24 \times ODR. The devices have a supply voltage range of 1.71 V to 3.6 V and a 12-bit digital resolution. The BMA400 accelerometers are highly configurable with regard to noise performance and current consumption, allowing designers to easily integrate the devices into always-on low-power systems.

The 2.0 mm \times 2.0 mm \times 0.95 mm BMA400 triaxial accelerometers are ideal for wearable devices — facilitating functions like activity tracking and step counting in fitness bands and smartwatches — as well as smart home applications like indoor climate systems and [security](#) systems. Able to detect the difference between random vibrations and emergency situations like broken glass, the high-performance accelerometers help to avoid false alarms. Bosch's low-power BMA400 accelerometers can also be used for predictive maintenance and package tracking in [industrial](#) applications.

To learn more, visit www.mouser.com/bosch-sensortec-bma400.

With its broad product line and unsurpassed customer service, Mouser strives to empower innovation among design engineers and buyers by delivering advanced technologies. Mouser stocks the world's widest selection of the latest semiconductors and electronic components for the newest design projects. Mouser Electronics' website is continually updated and offers advanced search methods to help customers quickly locate inventory. Mouser.com also houses data sheets, supplier-specific reference designs, application notes, technical design information, and engineering tools.

About Mouser Electronics

Mouser Electronics, a Berkshire Hathaway company, is an award-winning, authorized semiconductor and electronic component distributor focused on rapid New Product Introductions from its manufacturing partners for electronic design engineers and buyers. The global distributor's website, Mouser.com, is available in multiple languages and currencies and features more than 5 million products from over 700 manufacturers. Mouser offers 23 support locations around the world to provide best-in-class customer service and ships globally to over 600,000 customers in more than 220 countries/territories from its 750,000 sq. ft. state-of-the-art facility south of Dallas, Texas. For more information, visit www.mouser.com.

About Bosch

The Bosch Group, a leading global supplier of technology and services, is designed to improve quality of life worldwide with products and services that are innovative and spark enthusiasm.

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