



New Product Announcement

Now at Mouser: Texas Instruments' TPS7A10 Ultra-Low-Dropout Regulators for MCUs and Analog Sensors

September 27, 2018 – [Mouser Electronics](#), Inc., the industry's leading New Product Introduction (NPI) distributor with the widest selection of semiconductors and electronic components, is now stocking [TPS7A10](#) ultra-low-dropout regulators from [Texas Instruments](#) (TI). The TPS7A10 low-dropout (LDO) regulators feature an input range of 0.75 V to 3.3 V and fixed output voltage options between 0.6 V to 3.0 V, with high 1.5-percent accuracy over load, line, and temperature. The ultra-small 0.74 mm x 1.09 mm devices are suitable for space-constrained [Internet of Things](#) (IoT) devices, fitness trackers, smart watches, and [medical](#) devices, wireless headphones, and smartphones and tablets.

The [TI TPS7A10](#) ultra-low-dropout regulators, available from Mouser Electronics, offer ideal performance to support the lower core voltages of analog [sensors](#) and microcontrollers. The devices' main power path (V_{IN}) can connect to a [power supply](#) as low as 70 mV above than the output voltage, and an additional V_{BIAS} rail enables support for very low input voltages. Both rails consume low quiescent currents of just 1.6 μ A and 6 μ A, respectively, providing an efficient solution for [low-power](#) performance. The TPS7A10 LDOs also boast a high power supply rejection ratio of 60 dB at 1 KHz.

The TPS7A10 regulators are supported by the [TPS7A10EVM-004](#) evaluation module. Built to evaluate the operation and performance of the TPS7A10 LDO, the evaluation module offers a reference design for engineering applications requiring current of up to 300 mA.

To learn more, visit www.mouser.com/ti-tps7a10-regulators.

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.

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