

For Immediate Release

Mouser Electronics and Apex Microtechnology Announce Global Distribution Agreement

October 13, 2020 – [Mouser Electronics](#), Inc., the authorized global distributor with the newest semiconductors and electronic components, announces a global distribution agreement with [Apex Microtechnology Inc.](#), a HEICO company and an industry leader in high-power analog components. Mouser now stocks a variety of Apex amplifiers and reference devices.

Apex Microtechnology [power operational \(linear\) amplifiers](#) are designed for applications that require high current and high voltage. These amplifiers are offered in a variety of high-reliability form factors with voltage rails from 5 V to 2500 V. They feature output currents from .01 A to 100 A (peak) and slew rates up to 3000 V/us. This provides a compact proven solution for demanding precision power analog applications like piezo actuation/positioning, electrostatic/magnetic deflection, and DC/servo motion control.

Apex [pulse width modulation \(PWM\) amplifiers](#) are cost-effective solutions for motor control and other low-power-loss applications. Engineers can directly connect the PWM amplifiers to embedded microcontrollers and digital signal controllers. The devices are available with high supply (DC link) voltages from 60 V to 650 V, output currents from 8 A to 30 A, and switching frequencies ranging from 20 kHz to 500 kHz.

Apex [precision reference devices](#) are ideal for a wide range of data-conversion applications. The sine wave reference device provides ultra-stable sine wave outputs and a low temperature coefficient over the full military temperature range. Apex precision voltage reference devices offer high accuracy through a unique proprietary multipoint laser compensation technique.

The [PA85](#) high-voltage operational amplifier provides a very high power bandwidth of 300 kHz, with output currents up to 200 mA. The device's 450 V supply voltage and high slew rate of 1000 V/μs makes it ideal for high-voltage applications, including instrumentation, programmable power supplies, piezoelectric transducers, and electrostatic transducers and deflection.

Apex [PA164](#) and [PA165](#) high-voltage power operational amplifiers feature a monolithic amplifier core designed for high-density power applications. The devices can operate with output voltages up to 200 V and provide either 1 A (PA164) or 4 A (PA165) of continuous output current. The devices have a wide temperature compensated current limit range. An additional over-current flag allows for a flexible implementation of system protection.

To learn more about these and other Apex products now available at Mouser Electronics, visit <https://www.mouser.com/manufacturer/apex-microtechnology/>.

As a global authorized distributor, Mouser offers the world's widest selection of the newest semiconductors and electronic components — in stock and ready to ship. Mouser's customers can expect 100% certified, genuine products that are fully traceable from each of its manufacturer partners. To help speed customers' designs, Mouser's website hosts an extensive library of technical resources, including a [Technical Resource Center](#), along with product data sheets, supplier-specific reference designs, application notes, technical design information, engineering tools and other helpful information.

About Mouser Electronics

Mouser Electronics, a Berkshire Hathaway company, is an authorized semiconductor and electronic component distributor focused on New Product Introductions from its leading manufacturer partners. Serving the global electronic design engineer and buyer community, the global distributor's website, Mouser.com, is available in multiple languages and currencies and features more than 5 million products from over 1,100 manufacturer brands. Mouser offers 27 support locations worldwide to provide best-in-class customer service in local language, currency and time zone. The distributor ships to over 630,000 customers in 223 countries/territories from its 1 million-square-foot, state-of-the-art distribution facilities in the Dallas, Texas, metro area. For more information, visit www.mouser.com.

About Apex Microtechnology

Apex Microtechnology offers industry-leading power analog innovation for applications requiring high-precision control of current, voltage, and speed in the industrial, defense and aerospace, medical, and semiconductor capital equipment markets. The Apex product families include power operational amplifiers (linear amplifiers), PWM amplifiers (pulse width modulation, Class-D, or switching amplifiers), and precision voltage references.

Trademarks

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