

## API DELEVAN RELEASES A NEW SERIES OF HIGH-CURRENT INDUCTORS IN A UNIQUELY COMPACT SIZE

API Delevan introduces a new series of Surface Mount Device (SMD) power inductors: **P3519** and **P3519R** to meet the growing demand for high current applications in an efficient, compact package. Measuring 0.35" l x 0.19" w x 0.17" h, the size fills a market void of inductance and current combinations, in a standard product offering.



### Features and Benefits include:

---

- **High Power** density design and low-loss Ferrite Core technology provide very high Current & Power handling
- **Extreme Operating Temperature Range** of -55 to +130 degrees C for harsh work environments
- **Standard Inductance Values** range from 0.10  $\mu$ H to 2200  $\mu$ H
- **Low DC Resistance (DCR)** to minimize voltage drops and dissipated power (lost as heat) in DC-DC converter and DC biased circuit applications
- **Green Lead-free, RoHS-Compliant** version (P3519R) with Sn/Ag/Cu finish
- **Sn/Pb Version** (P3519), where avoidance of Sn whiskering is critical such as in Military circuit applications
- **Inductance Tolerances** of +/- 5% and +/- 10%, for highly sensitive circuit designs such as EMI line and RF filters are standard offerings. Tighter tolerance requirements are available upon request
- **High Dielectric Withstanding Voltage** (DWV) of 1000Vrms minimum, for high isolation applications
- Proven API Delevan design and manufacturing processes for rugged thermal-set epoxy molding and solder tinning lends the P3519 series products to meet the stringent requirements of **MIL-STD-202G** (Thermal Shock, Mechanical Shock & Vibration, Solderability) for rugged vehicular and aerospace systems

### Applications for the P3519 series include:

---

- HB LED drivers, power supplies, and Incandescent replacement lamps
- Military and Defense ground, sea, and aerospace electrical/electronic power systems
- EMI power line filters to meet current FCC and IEC EMC emissions/susceptibility standards
- High current SMPS, Voltage Regulators and DC-DC converters
- Heavy Motor driver circuits
- HID and Halogen Lighting
- High-power RF Transceiver and Antenna systems
- UL- and CSA- approved devices

All components are made in the USA, and full engineering support is available to assist with your design, assembly and circuit testing needs. Samples available upon request; production lead-time is stock to 4 weeks ARO.

API Delevan, leading the industry in innovation and reliability since 1947, is an ISO9001:2008 & AS9100:2004 certified company, and offers the world's largest selection of magnetics, including industry standard devices, circuit solution devices and application specific devices.

For more information, contact: **API Delevan**  
Kristin McCarthy / Product Line Manager  
270 Quaker Road, East Aurora, NY 14052  
Phone: (716) 652-3600 / Fax: (716) 652-4814  
E-Mail: [apisales@delevan.com](mailto:apisales@delevan.com)  
Website: [www.delevan.com](http://www.delevan.com)