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#### New Surface Mount Diode Technology



Sabritec now offers a complete line of transient protection solutions embedded within the connector shell utilizing surface mount technology (SMT) diodes. The incorporation of SMT components can offer space and weight savings based on connector application requirements.

#### Benefits

- Significant reduction in board space and connector weight
- Low incremental surge resistance
- Fast response time, typically less than 1.0ps
- Low zener diode impedance values
- Better thermal conductivity for high power dissipation requirements
- Increased flexibility in design limits
- Increased mean time between failures (MTBF)
- Improved shock and vibration resistance
- No ground spring connector from cathode lead to connector ground plane
- Addresses issues related to limited source availability of axially leaded components

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#### High Power Rack and Panel Solutions



Sabritec provides rack and panel power and combo layout solutions. A hybrid configuration consisting of 3 phase power that can be combined with integrated signal, fiber optic, coax, triax and quadrx inserts within a single panel solution. Accessory hardware is available with custom backshells and power modules exceeding 500 A current ratings.

Buss bars are attached to the threaded end of the connector pin or socket contact or standard cable crimp terminations for power cable AWG ratings with current ratings up to 500 Amps in a single contact. Blindmate or screw lock accessory hardware configurations are offered for any rack and panel solutions in a variety of sizes and configurations.

Complete 360 Degree RF connector shielding with EMI ground spring fingers integrated into each connector shell arrangement and cavity is also available. Modularity is key to the design with interchangeable insert assemblies available for an array of signal, power and hybrid contact reverse gender configurations.

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#### Sabritec Celebrates 30 Years of Service



Founded in 1980, Sabritec has become one of the leading vertically-integrated manufacturers of high-performance precision interconnects engineered for complex military and commercial applications. Sabritec possess long standing customer relationships with the world's leading aerospace and industrial

manufacturers.

Since its inception, Sabritec's product line has expanded to include Filter connectors, High Speed Interconnects Qudrax, Twinax, Fiber Optics, Coax, and Triax connectors, contacts and cable assemblies. Sabritec also manufactures custom multipin circular, rack and panel and umbilical launch connectors as well as extreme environmental water proof immersion connectors for sea and military land based equipment applications.

Sabritec is known for solving complex problems within tight time constraints. Our in-house capabilities encompass design, development, manufacturing and testing. As an engineering driven company, our staff has in-depth experience in electrical and mechanical design, EMF/RFI/EMP suppression techniques, microwave transmission, high voltage applications, severe environments and material selection. We manufacture multilayer thick film ceramic capacitors in house.

### Smiths Interconnect Buys US Connector Firm for \$185M

Sabritec announces today that Smiths Interconnect, a division of global technology business Smiths Group, has completed the \$185 million purchase of Interconnect Devices, Inc. (IDI), a leading designer and manufacturer of probe technology for use in industrial and semiconductor testing, and high performance connector applications. The Kansas City-based company will become part of the Connector Technology Group within Smiths Interconnect.

IDI designs and produces highly engineered, application specific connectors using a proprietary spring probe contact technology. It focuses on mission critical applications for semiconductor and circuit-board testing, and high reliability connectors for military, medical, homeland security and industrial markets. IDI employs 560 people, more than half at its Suzhou plant in China, and runs a specialist engineering centre in Gilbert, Arizona.

Smiths Interconnect President Ralph Phillips said: "We are a leading supplier of technically differentiated components that are critical to our customers' products and operations, IDI adds a completely new range of connectors to complement our existing portfolio and provide our customers with a wider range of solutions encompassing multiple connector technologies. With a major plant in China, IDI strengthens our connector operations and will allow us to leverage our existing international sales resources, particularly in Europe which accounts for a quarter of the global connectors market."

Connectors Managing Director Roland Carter added: "This acquisition will add world-class spring probe and related socket design capabilities to our engineering portfolio as well as opening new sales channels and positioning the global brands of IDI, Antares and Synergetix alongside the strong brands and technologies of Hypertac, Hypertronics and Sabritec that already exist within Connectors".

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