

M/A-COM Technology Solutions Inc. (“MACOM”), a leading supplier of high performance analog RF, microwave, millimeterwave and photonic semiconductor products, released a Digi-Key product training module featuring their new family of limiters: the MADL-011012, MADL-011014, MADL-011015, MADL-011016, and MASL-011023. These new additions to MACOM’s established industry-leading semiconductor component catalog offer a highly integrated solution designed for maximum receiver protection in UHF to C-band radar applications.

MACOM’s new family of limiters support industry demands for limiters able to handle high power in a small, surface mount package. In proper operation of semiconductor devices, minimizing the junction temperature is critical to reliability and performance. In order to limit the junction temperature to absolute maximum limits, the maximum input power can be reduced or the environmental conditions altered to lower the overall temperature of the device. Where power requirements are fixed, the only option is the latter, and the device must be cooled through extreme methods or its thermal management optimized. The latest additions to MACOM’s limiter portfolio support these demands, providing high performance solutions for receiver protection circuits in high power radar applications.

The MADL-011012, 14, 15 and 16 are high power limiters incorporating multiple discrete components into a single compact, surface mount ceramic package, enabling customers with an easy, efficient and high performing limiter solution. The MASL-011023 is a switch limiter incorporating a transmit/Receive switch with a limiter introduced on the receive portion. These modules integrate PIN, Limiter and Schottky diodes, as well as the peripheral blocking capacitors, bias inductors and resistors, into one conveniently assembled package. MACOM’s limiter solutions eliminate the need for customers to design their own limiter circuits onto their boards, and alleviates the concern for consistency of performance.

Offering a broad portfolio of high power, switch, discrete, Schottky, and PIN limiters, MACOM has the comprehensive and versatile limiter portfolio required to support customer needs across many applications. Boasting high performance and superior packaging, MACOM’s new limiter solutions will continue to position MACOM as the leading supplier of semiconductor content to customers worldwide.

For more information and to access MACOM’s Family of Limiters Training Module, click here:

<http://www.digikey.com/suppliers/us/macom.page?lang=en>