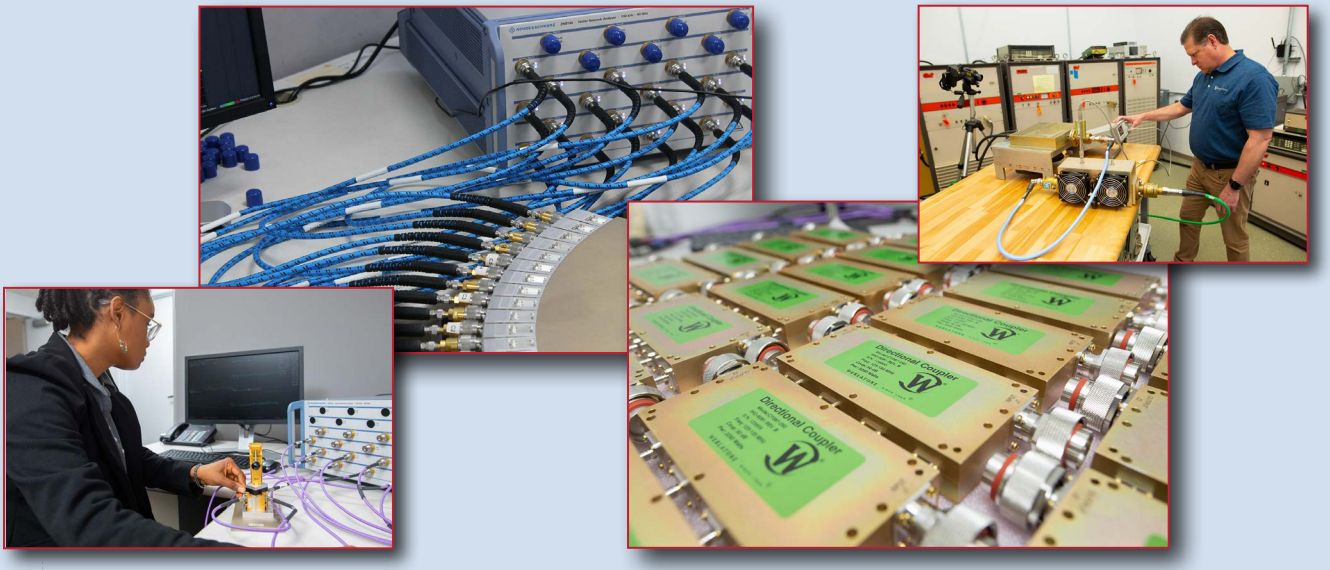
Werlatone: Underpromise and Overdeliver



Since its founding in 1965, Werlatone has been one of the leading manufacturers of high-power passive RF components. Located in a large manufacturing and development facility in Patterson, N.Y., the name "Werlatone" has become synonymous with high quality and advancement in the RF industry. Werlatone combines an experienced and knowledgeable engineering and development team with a highly skilled manufacturing department to create fully custom and standard parts to meet customer needs.

Over nearly six decades, Werlatone has evolved from couplers to become a recognized leader in high-power RF and microwave components. While the company is known mainly for its power dividers, combiners, couplers and hybrids, Werlatone's product portfolio has expanded to include beamforming networks, wideband impedance networks, broadband rectifier circuits, absorptive filters and digital power meters. While many of their products are now standard catalog products, the company prides itself on its ability to produce custom solutions to meet demanding customer needs.

Werlatone's products are distinguished by their robustness and efficiency, particularly in high-power applications. Along with these impressive operating powers, many of the Werlatone solutions are Mismatch Tolerant®, operating continuously at rated power into high VSWR conditions. To support high-power requirements, Werlatone maintains an extensive solid-state high-power test lab to evaluate prototypes and verify new designs.

With 30 active patents and several pending, Werlatone builds on 265 years of combined engineering experience to continuously innovate and take a leadership role in high-power passive solutions. Their newly patented high-power combiner is based on an E-plane combiner structure where the peak and CW power-handling capabilities are limited only by the waveguide size. The result is a substantial improvement in power handling for N-way combiners. Werlatone is also incorporating ferrite technology along with their passive component expertise to extend the power handling and bandwidth capabilities for beamforming networks, baluns and impedance transformers.

In addition to the high-power capability of their products, Werlatone designs products to operate over wide frequency ranges. Products routinely operate over multi-octave bandwidths, with some reaching a 1000:1 bandwidth. Frequency specific designs operate from DC to Ka-Band.

With a focus on power and performance, it is not surprising that the company is heavily involved with defense markets. The company reports that 70 percent of its customers are engaged in military communications, EW and government testing applications. The balance of their product line serves commercial communications, ISM, semiconductors, medical and university applications.

In addition to performance innovations, Werlatone remains committed to quality and manufacturing improvements. The company's products can be designed or tested to MIL-STD-810 specifications. Werlatone is ISO 9001:2015- and AS 9100D-certified and adheres to MIL-I-45208 A inspection system requirements.

For nearly 60 years, Werlatone has built a business based on underpromising and overdelivering on standard and custom high-power passive components and fully integrated subsystem architectures.

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