

## News release

### Power Amplifiers Yield High Output Through 110 GHz

January 17, 2017— Northampton, MA — Millitech, a microwave brand of Smiths Interconnect, has released a series of power amplifiers leveraging advanced PHEMT MMICs and transistors which yield millimeter-wave saturated power as high as 38 dBm at 35.5 GHz and 15.5 dBm at 110 GHz. Frequency ranges for Millitech's AMP devices extend from 18 GHz up through 110 GHz with corresponding and standard waveguide or coaxial connector interfaces. The AMP Series of amplifiers offers internal bias circuitry that generates gate control voltages, provides proper voltage sequencing, and incorporates reverse voltage protection from a single positive external bias.



Enhancing the flexibility of the AMP series, Millitech is able to offer multiple MMIC amplifier chips combined or cascaded in a single device for applications that require higher gain or greater output power. The broadband features of these amplifiers makes them ideal for a myriad of applications including transceivers, upconverters, EW, instrumentation, and radar systems. The quality and legacy experience of Millitech's design and manufacturing teams enable the AMP product lines to be produced for both commercial and military applications, adhering to all applicable standards. Often, AMP devices are deployed in millimeter-wave transmitters, for LO amplification, and in radar front-ends.

For additional details visit [www.millitech.com](http://www.millitech.com)

#### About Millitech

Millitech, Inc. specializes in the design, engineering and manufacturing of millimeter-wave components, assemblies, subsystems and fully integrated systems for applications in satellite communications, radiometry, radar and remote sensing. For over 30 years our engineering, manufacturing and sales staffs have been dedicated to providing the most technically advanced millimeter-wave products and services available, enabling our customers to translate their ideas and needs into cost-effective solutions.

#### About Smiths Microwave

Smiths Microwave, [www.smithsmicrowave.com](http://www.smithsmicrowave.com) is a leading provider of components, sub-assemblies, antennas and system solutions, primarily for defense, aerospace, and telecom applications, that test, filter, protect, and process high-frequency signals for wireless communication networks. As a family of brands, Kaelus, RadioWaves, TECOM, TRAK, Transtector, PolyPhaser, LORCH, TRAK Limited, Millitech, EMC Technology, and Florida RF Labs provide exacting solutions for antenna systems for the military and commercial aerospace, transceivers, frequency sources, timing systems, component applications and a wide range of innovative RF, Microwave and surge protection solutions for the wireless telecommunications sector.

Alongside Smiths Connectors and Smiths Power, Smiths Microwave is part of the Smiths Interconnect division of Smiths Group, [www.smiths.com](http://www.smiths.com), a global leader in applying advanced technologies for markets in threat and contraband detection, energy, medical devices, communications and engineered components. Smiths Group employs more than 23,500 people in over 50 countries.

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