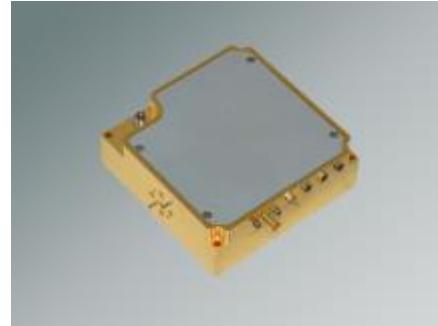


## News release

# Compact Millimeter-wave Converter Assemblies Free up Valuable Board Space in High Frequency Systems

January 4, 2017 — Northampton, MA — Millitech, a Microwave brand of Smiths Interconnect, has announced the release of a new series of fully integrated up and downconverter millimeter-wave assemblies (MMWAs). These active upconverters (BUC Series) and downconverters (BDC Series) can each be custom tailored to frequencies up to 120 GHz. Housed in modules as small as 4" x 4" x 1.5", these units save significant system real estate for designers of advanced millimeter-wave test and telemetry equipment. Each compact, lightweight unit integrates amplification, mixing, and filtering functions and comes fully connectorized for easy installation. They also offer cost savings over purchasing and integrating several independent components. Available models of BUC upconverters offer 25-40 dB of Gain over 4-10 GHz of bandwidth. Similarly, available models of BDC downconverters feature 4-10 GHz of bandwidth with Gain as high as 35 dB. Each offers VSWR <1.8:1. In addition to multiple frequency bands from 50 to 120 GHz, each series offers a designer's choice of gain figure, output power, and noise figure. An SMA pulse/mute control input is a handy option when the capacity to power down stage 1 amplification at certain times is required. Several other custom electrical and packaging options are also available.



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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