



ViaSat Advanced Microwave specializes in millimeter wave MMICs, modules, and subsystems for military and space design applications. Our areas of expertise include high frequency communications and sensing technology, RF semiconductors, high-power transceivers and power amplifiers, high levels of functional integration, high-frequency packaging, and design for low-cost manufacturing.

KEY DIFFERENCES—ONLY FROM VIASAT

Our proprietary design techniques give us an edge over other RF designers, enabling us to expand the range of applications where high-speed communications and radars, including phased arrays, are practical and economical. We cover the full range of frequencies from UHF to W-band.

We are recognized for our advanced level of integration, combining multiple functional components on a single MMIC with no self-interference. This enables wideband communications even where equipment must be extremely small and lightweight.

Our innovative engineers work with a wide range of packaging options for different environmental and performance needs. From low cost, high volume over-molded single chip packaging to complex hermetic multi-chip modules and integrated subsystems, we can supply the best approach for each application.

Our experience from building blocks to the complete system allows us to meet your specific requirements and needs. We help you find the right answer, even if it is a different technology than we supply. Honesty and integrity with our customers is paramount to our future success.

COMMERCIAL VALUE AND MILITARY PRECISION

Our proven experience in both the defense and commercial markets allows us to offer products that combine the advanced technologies demanded by the military world at the low costs required by commercial customers. Combined with our experience in functional

integration and technology development, we can help you push the envelope for reconfigurability, size reduction, higher power, product durability, and new applications.

We design and produce hardware to strict specifications for commercial and military space programs, weapons electronics, and ground, shipboard, and aircraft RF components and subsystems. We have also developed and produced high volumes of a key component of the next generation broadband-over-satellite systems. Our Ka-band transceiver has had a transformational impact on the performance and cost of these systems. In the course of development, we have significantly reduced the cost of manufacturing and testing Ka-band hardware and pioneered methods to eliminate tuning, enable reconfigurability for multiple uses, and use mass production techniques at higher frequencies.

ALL THE CAPABILITY YOU'RE LOOKING FOR, IN-HOUSE

Our ISO9001/AS9100 certified facilities include prototyping and low volume manufacturing capabilities to speed your project development and complete initial production and testing on time and cost-effectively. Robust designs that can be manufactured with standard commercial manufacturing processes allow for higher volume products to be produced at qualified contract manufacturers. Our partnerships with space-qualified manufacturers enable our innovative designs to be manufactured with the documentation, materials, and processes demanded by space flight applications.

Please contact us to see how ViaSat Advanced Microwave Products can give your programs an edge.



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