



A passion for performance.

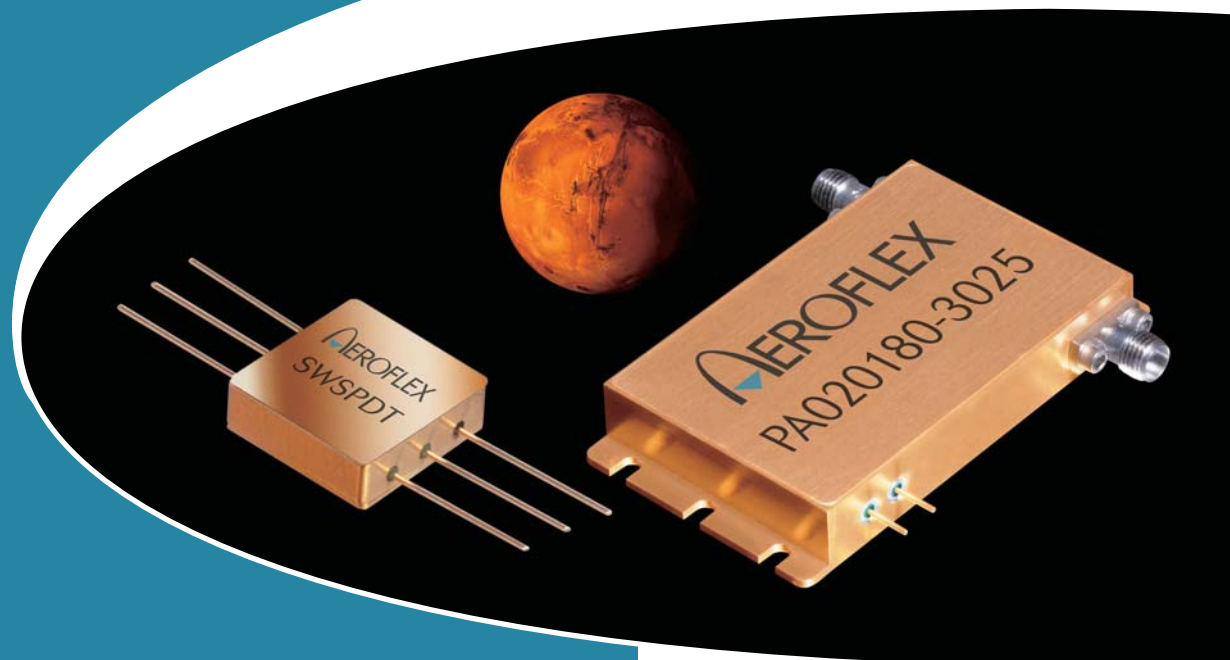
From Aeroflex Plainview:

Space-qualified  
RF switches

Broadband microwave  
power amplifiers

Low-phase noise  
amplifiers and multipliers

Highly-integrated  
microwave assemblies



# RF and Microwave Products

# Advancing microwave technology through innovative



## High-reliability products

Our space-qualified products are proudly used in

- Communications satellites
- Military satellites
- Electronic warfare
- Phased array antennas
- Radars

### Broadband microwave power amplifiers

- Designs up to 65 GHz
- High efficiency and linearity
- Power up to 30W CW, 150 W pulsed
- Integrated microprocessor controls available

### Space-qualified RF switches

- High isolation in compact hermetic packages
- Direct replacement for legacy switches
- Available to MIL-PRF-38534 Class K

### Low phase noise multipliers and amplifiers

- Industry leading phase noise
- High linearity and compact size

### Highly-integrated microwave assemblies

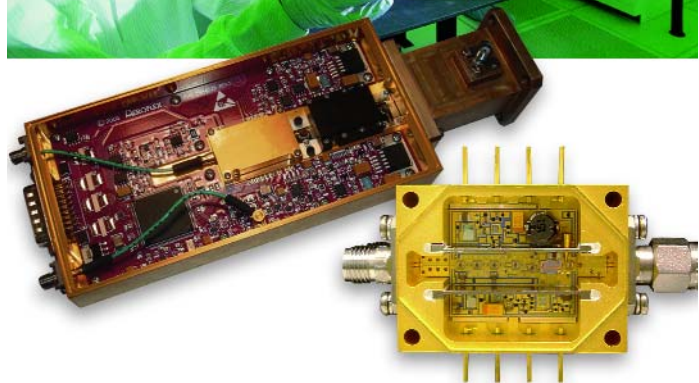
- Up/Down converters
- Tx/Rx modules
- Custom microwave modules

# designs and integration

In today's competitive environment, system designers are facing the tough challenge of developing systems that require high performance, shorter times-to-market, and tremendous cost reductions. At Aeroflex, we use cutting-edge technology combined with our extensive design history, RF testing knowledge, and manufacturing expertise to always provide high performance, high reliability, and innovative solutions to our customers.

We are continuously perfecting our microwave design and manufacturing processes. Today, Aeroflex Plainview has produced ultra broadband microwave power amplifiers, low phase noise amplifiers, space-qualified RF switches, and up/down converters for the military, commercial, and aerospace markets.

Operating over frequency range DC to 65 GHz, these parts are highly integrated to achieve higher performance, smaller size, and lower cost. We leverage our vast microwave design library and manufacturing experience to offer a wide variety of state-of-the-art highly integrated RF modules.



## HERE'S WHAT WE CAN DO FOR YOU

- Build to print
- Manufacture and test modules to your designs
- Outsourcing

### OR

- Build to print with some re-design
- Team with your engineers to re-design part of the module

### OR

- Design to specifications
- Standard products
- Standard product derivatives

*Aeroflex Plainview is housed in a 75,000-sq. ft. facility in Plainview, New York. Our facility is ISO 9001: 2000; AS 9100-2000 certified and Mil-PRF-38534 Class K, H and E certified.*

# RF/MICROWAVE MODULES

## Modulator Driver and Limiting Amps

[aeroflex.com/bband](http://aeroflex.com/bband)

Description	Features
AMPF-108MDA	High-gain modulator driver amplifier, 10 Gb/s
AMPF-128MDA	12.5 Gb/s high-gain modulator driver amplifier
AMPF-122LM	Limiting amplifier

## Logarithmic Amps

[aeroflex.com/bband](http://aeroflex.com/bband)

Description	Features
L0204-70	Logarithmic amplifier
L0208-65	Logarithmic amplifier
L0408-67	Logarithmic amplifier

## Medium- and High-Power Amps

[aeroflex.com/bband](http://aeroflex.com/bband)

Description	Features
PA00104-27	Medium-power amplifier
PA010020-33	Medium-power amplifier
PA0218-30-SS	Broadband Power Amplifier
PA090102-42	High-power amplifier (X-band)
PA020180-3025-SS	Broadband Power Amplifier

## RF Switches and Up/Down Converters

[aeroflex.com/bband](http://aeroflex.com/bband)

Description	Features
SWSP6T-0002020-35	Absorptive RF switch
SWSPDT-002030-45	Absorptive RF switch
SWSPDT-0005060-40	Absorptive RF switch
SWSPDT-002025-60	Absorptive RF Switch
TX-0209-25	Up/down converter



Our passion for performance is defined by three attributes represented by these three icons: solution-minded, performance-driven and customer-focused.

**WEB SITE** [www.aeroflex.com/bband](http://www.aeroflex.com/bband)

**TELEPHONE** 1-800-645-8862