



AmpliTech
GROUP, INCORPORATED

**Specialty
MICROWAVE**

Specialty MICROWAVE SATCOM Products



- *Competitive Price*
- *High Performance*
- *High Quality Products*

MADE IN USA



AmpliTech is proud to announce the addition of
Specialty MICROWAVE
to its Group with leading-edge
SATCOM complementary products.

AmpliTech has expanded yet again by acquiring Specialty MICROWAVE another leader in the industry focusing on switches, control systems and SATCOM hardware. We are in progress of developing new line of passive products including filters, detectors, limiters, and more....

Specialists of Microwave Technology



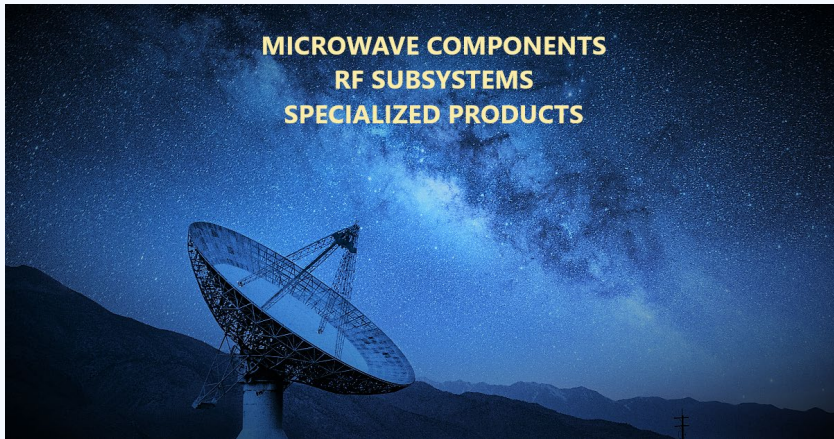
AmpliTech, a developer of custom and standard state-of-the-art RF components for the Commercial, SATCOM, Space, and Military markets has acquired Specialty MICROWAVE (SM), a privately held company based in Ronkonkoma NY.

Who We Are.....



**Specialty
MICROWAVE**

**MICROWAVE COMPONENTS
RF SUBSYSTEMS
SPECIALIZED PRODUCTS**



Specialty MICROWAVE, a AmpliTech company, has been in business for over 30 years and designs and manufactures state-of-the-art precision SATCOM microwave components, RF subsystems, and specialized electronic assemblies for the military and commercial markets. Specialty MICROWAVE has grown into a company which is dedicated to achieving technical excellence while producing dependable, high quality products that reflect of our customers high standards. Customers agree that we simply provide the best product and services available in the industry while maintaining lower prices than most of the competitors. We stand by our product with an iron-clad warranty as well as with technical support in helping our customers get the most from our products.

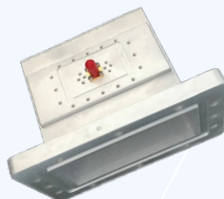
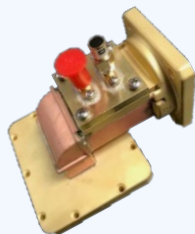
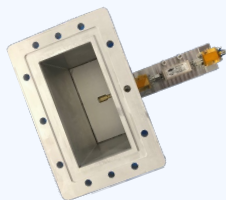
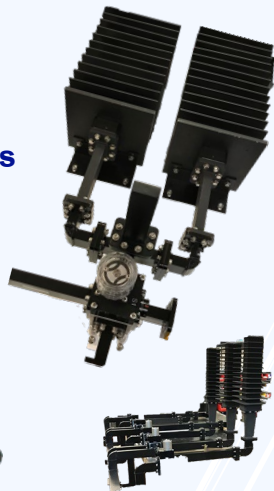


Specialty Microwave is dedicated to the design, manufacturing, and testing of SATCOM products, passive microwave components, RF subsystems and specialized electronic assemblies. Since its inception over 30 years ago, Specialty Microwave has never lost sight of its primary goal: *to supply dependable, high quality products that reflect the high standards of our customers.*

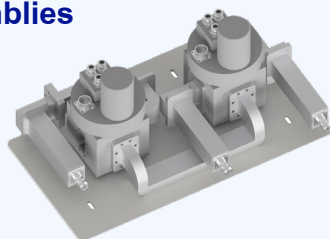
Specialty Microwave standard waveguide products are designed to meet or exceed your stringent specifications. On specialized products, we take a total team approach while considering ourselves an extension of your company. This practice results in providing superior products that meet your custom requirements in a timely and cost-efficient manner. This proven approach has been recognized repeatedly over the years and supported by our customers.



- **Waveguide Assemblies**
- **Waveguide to Coax Adapters**
- **Waveguide to Waveguide Transitions**
- **Waveguide Broadwall & Crossguide Couplers**
- **Waveguide Dividers & Combiners**
- **High Power Waveguide Terminations**



- Integrated Systems
- Block Downconverters
- 1:2 Tx Protection Switch Panels
- Redundant LNA Controllers/Plates
- Specialized Electronic Assemblies
- RF Switch Matrix
- Table-Top Amplifiers



PRODUCT SPOTLIGHT

1:2 Tx Protection Switch Panel Subsystem

1:2 Tx Protection Switch Panel is a logic panel used in satellite communications earth stations. The system mechanism operates waveguide and coaxial switches to operator desired positions. The mechanisms provide switching operations for LNA's and fiber link units in an automatic (unattended) or manual (local and or remote) mode. During normal operation of the protection switch panel, two active units are connected between the antenna and the indoor equipment. The standby units are connected to input and output dummy loads. In the event of a failure of an active unit, the standby chain is switched in place of the malfunctioning chain when the panel is in automatic mode. The malfunctioning unit is then connected to a dummy load.



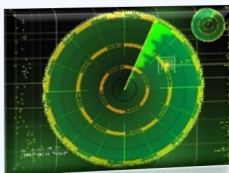
PRODUCT SPOTLIGHT

Satellite Access Point Block Downconverter (BDC)

The Specialty MICROWAVE Block Downconverter assembly is used as a test device on Satellite Access Point (SAP) antennas located worldwide. The BDC assembly down converts a Ka band signal, 17.7 GHz to 19.7 GHz, from the LNAs on either polarization of the antenna to between 950 and 2150 MHz using a high and low band block downconverter. The user can select a signal from either the LNA, and/or the BDC. The BDC assembly can allow the user to communicate via Ethernet optical interface to the Antenna Control Unit (ACU). The BDC assembly also includes an NTP server with GPS antenna that can communicate with the Antenna Control Unit.



***Specialty MICROWAVE products are found
on land, at sea, and in the air.....***



Radar



Satellite Earth Station



Dish Antennas



**Passenger
Aircraft**



VSAT Terminal



Drones

**ANTENNAS,
CELLULAR BASE
STATIONS, WIRELESS**



**SATELLITE RECEPTION AND
TRANSMISSION**



**Military
Aircraft**



Our Customers.....

FOX

DATA  **PATH™**

Raytheon

api 
technologies corp.

ViaSat

ESPN

COBHAM

 **INTELSAT**

HARRIS

HUGHES

 **COMTECH**
EE DATA 

THE VALUE OF PERFORMANCE.
NORTHROP GRUMMAN

 **BOEING**


HBO®

LOCKHEED MARTIN 

 **ITT Industries**
Engineered for life

Honeywell

GOVERNMENT OF ISRAEL | MINISTRY OF DEFENSE

 **OneWeb**

ECHOSTAR

OUR FACILITIES

