

Passive Waveguide Product Capability

Millitech offers a full line of standard and custom passive waveguide components for the millimetric frequency range, nominally from 18 to 220 GHz. Higher frequency products are made as custom products. The standard products include a wide range of waveguide and test and measurement components. Customized products are offered to allow convenient assembly and integration of customer's millimeter wave subsystems. Please click on the Product Descriptions and Datasheets button in the Products tab for more information.

All Millitech's passive waveguide components are precisely manufactured and carefully finished to ensure long life and stable performance. They are rugged in construction and provide the best performance possible. The products are suitable for use in severe environments and can be readily qualified for high-reliability, MIL-specification and space applications. Components are inspected and tested to ensure full compliance with the specifications and Millitech's' workmanship standards.

Special attention is given to flange mating surfaces (flatness and plating) and to installation of locating to permit accurate and repeatable alignment for best performance. The couplers and related products are manufactured with high precision and optimized to provide the highest performance in their class of products.

For applications requiring custom-designed components or assemblies incorporating waveguide sections with multiple bends and twists, lightweight, nonstandard flanges and special material and finishes, Millitech can supply the necessary products in a very reasonable time.

Millitech maintains a stock of the majority of passive waveguide components offered as standard products in this section. Delivery of most products is very short, as critical parts are maintained in-house.