

What is so special about Microlab Legacy Products?

Experience: The Microlab standard product line results from over 50 years of our leadership in passive microwave components.

Proven Designs: These products are proven by their many years of use in the widest variety of adverse conditions. Many have been subjected to the most severe formal testing and analysis and represent very high standards of product reliability, as might be required in uninhabited airborne environments.

High Power: Microlab has particular expertise in the design, construction and testing of high power microwave products. This knowledge of thermodynamics and heat transfer, while originating in our high power dummy loads, has now been transferred to all products that may be required to handle high power levels.

Passive Intermodulation, PIM: Microlab has particular expertise in the control of PIM in commercial wireless. With the same phenomenon of PIM becoming important in military wireless systems, Microlab can develop low PIM components for military applications.

Moving Parts: Microlab specializes in devices incorporating moving parts such as tuners and line stretchers. We have perfected the skills required by such devices, such as long-life reliable contact fingers, surface finishes, and the like.

Frequency Selective Devices: Filters have been a major product over the life of the Company. Microlab is particularly skilled in rod-and-bead designs which are used to produce very low loss, low pass filters and in broadband diplexers using suspended substrate techniques.

Widest Selection: Many legacy product lines cover frequencies from 100 MHz to over 18 GHz. They are available with a wide variety of cable connectors.

Stocked Finished Goods: Microlab maintains a large inventory of the more popular finished goods, enabling us to often make off-the-shelf delivery. This is especially true for wireless products, where we understand that immediate delivery is often critical.

Rapid Delivery: If a product is not stocked, then most, if not all, of its piece parts likely are. This large piece part inventory is possible because of the high level of interchangeability and standardization of piece parts. Microlab has also developed sophisticated forecasting of future part requirements. All these factors contribute to the quick reaction time possible for standard and special subsystem requirements. (06-10)