Rosenberger North America’s Akron, PA plant is our Design Center for RF/microwave connectors, as well as flexible and semi rigid cable assemblies. One of the strengths of RNA-Akron is Hermetic Connectors.

Hermetic Connectors normally requires the use of a glass-to-metal seals. Most Hermetic Connectors are high-performance coaxial or blind-mate push-on interconnects. Hermetics are used in many military, satellite, test and measurement, wireless and telecommunications applications.

- **Hermetic Connectors**
  - Are used when installed into a package to assure a high reliability of the seal.
  - Are used in high temperature, as for HTCC/LTCC applications or when a more reliable seal is required.
  - Hermetics can also be important if field repair may be required, instead of PTFE.
  - Standard materials:
    - Bodies: Kovar, gold plated.
    - Pins: Kovar, gold plated.
    - Glass: Dialectic 50 Ohms glass.
  - Normal working Temperature of –55° to +165°C.

- **Connector Series**
  - SMA, SMP, SMPM/Mini-SMP, WSMP®, ZSMP®.

- **Shroud Products**
  - Solder-ins, screw-ins, board mounted, edge launched and multi-ports.

- **Manufacturing**
  - Rosenberger’s Pennsauken, NJ facility supports RNA-Akron’s design with precision manufacturing, including in-house operations such as part manufacturing, glassing, fixture design/manufacturing and testing capabilities.
  - Fine Leak, Package Isolation, Thermal Cycling, Thermal Shock, per Mil-Std-883.