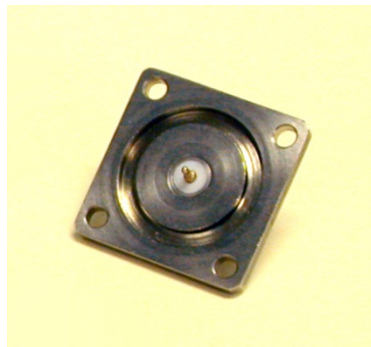




AVIEL ELECTRONICS, Division of RF Industries

Precision High Frequency SSMA Connector Operates in High Vibration Applications



A military aerospace manufacturer with a custom antenna design required an RF coaxial connector that would perform in a high vibration environment. The connector's mechanical requirements include termination onto .085 inch semi-rigid cable, chassis mounting and SSMA interface. The electrical requirements included operating frequency up to 26 Ghz. A standard chassis mount SSMA connector would meet the basis requirements, however would not perform in a high vibration environment.

Aviel's design team developed a custom connector with floating body and pin that allow both axial and radial movement while maintaining excellent electrical performance to 26 Ghz. To meet the high vibration application, the pin movement is independent of the body. Custom spring designs of Elgiloy Cobalt-Chromium-nickel non-magnetic alloy were utilized for the body and contact movements. The body components are manufactured of machined 303 stainless steel and the contact of beryllium copper with MIL-STD gold plating.

All aspects of the design, manufacture and testing were performed in the United States to comply with the customers' sourcing requirements.

Contact the factory with your specific requirements at (877) 805-7381 or (702) 739-8155, fax (702) 739-8161, email aviel@rfindustries.com, web www.avielelectronics.com. Aviel Electronics is a division of RF Industries (NASDAQ: RFIL), a leading supplier of connecting solutions provided through its operating divisions: RF Connectors, RF Cable Assembly, Aviel Electronics, OddCables, and Cables Unlimited. RF Industries is a publicly traded company