

Hermetically Sealed Connectors

RF Immunity has developed a special connector sealing process, which can reach sealing levels of $< 10-5 \text{ cm}^3 / \text{Sec}$ at $\Delta P = 1 \text{ Atm}$.

These connectors can successfully withstand high-pressure levels with extremely low leakage.

RF Immunity supplies hermetic sealing technology integrated into a broad variety of connector types including MIL-C-38999, MIL-C-26482, MIL-DTL-24308 and MIL-DTL-83513 (Micro D-sub miniature - MDM).

Leak Detection

Our hermetically sealed connectors are being tested in Helium Leak Detector after a Thermal Cycle process and in the most accurate and reliable test methods.



Helium Leakage
Detector



Hermetically Sealed D38999

Product Features

- >> Light weight of regular aluminum connector.
- >> Special sealant and sealing method process.



Hermetically
Sealed D38999/III

- >> Flexible to mechanical modifications.
- >> Available with PCB or Solder Cup termination.
- >> Available with all standard insert arrangements.
- >> Withstand 1 atmosphere (15 PSI).
- >> Operating temperature of -55 C to -125 C .

Hermetically Sealed D-SUB Connectors|

Bespoke Designs

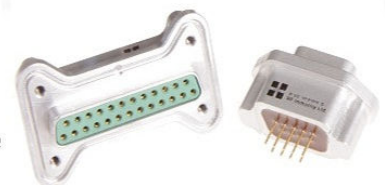
Micro D-SUB Miniature based on MIL-DTL-83513, machine etched shell of Aluminium alloy with electroless Nickel plating and insulators per MIL-P-46183, Type I.



Micro-DSUB Miniature
AU001236
figure 1

Custom Made Filtered D-SUB 9 pin and 25 pin

The external mechanical configurations were designed to allow close mounting of the two connectors to meet space constraints on the panel.



DSUB AU00142 & AU00143
figure 2