



Features

- Feedthru can be CF, KF, ISO standard flanges or customized
- The optical fiber and feedthrough are sealed by adhesive, and the optical fiber has no breakpoint to ensure the best optical performance
- Applicable to single-mode, multi-mode, polarization-maintaining fiber and other optical fibers
- Components can be single-pass or multi-pass
- The material in the cavity is suitable for vacuum conditions, and the fiber sheath material can be stainless steel 304 and PTFE
- Suitable for UHV environments up to 10^{-5} Pa

Applications

- Used to transmit optical signals, it is applicable to vacuum technology, semiconductors, laser systems, medical technology, and quantum technology.

Technical Specifications

Data	
Environmental performance	
Temperature range	-40 °C ~+80 °C
Gas leak rate	less than 1×10^{-11} Pa · m ³ /s
Optical performance	
Transmission loss	≤ 0.6 dB(1550 nm wavelength), ≤ 0.8 dB(780 nm wavelength), ≤ 1.0 dB(630 nm wavelength)
Polarization-maintaining fiber extinction ratio	≥ 25 dB