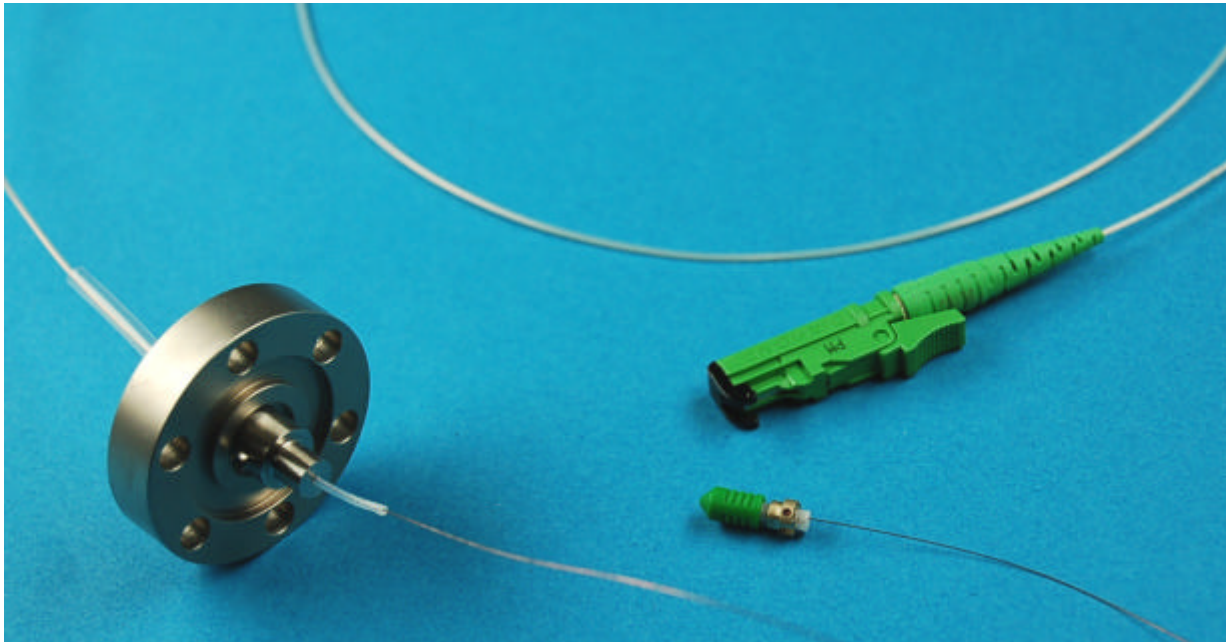


WE'RE WELL CONNECTED

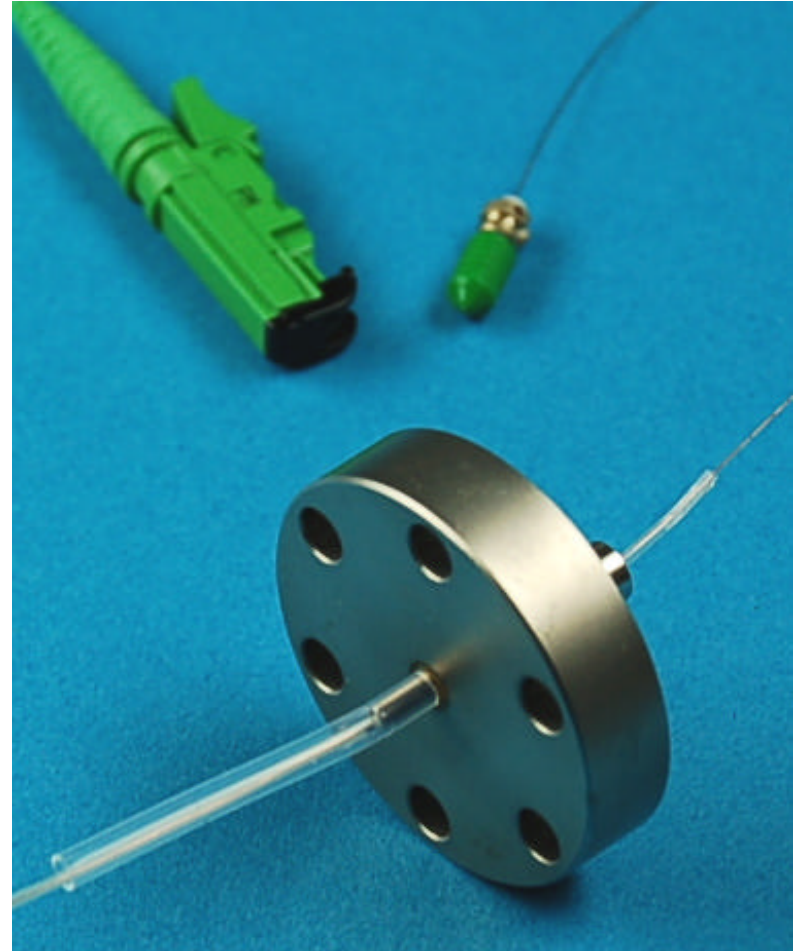
Diamond

Single Mode vacuum feedthrough



Project: University of Basel vacuum feedthrough

- Requirements
 - Ultrahigh vacuum (UHV, 10^{-13} Torr)
 - Non-magnetic
 - Standard ISO CF flange
 - Operation temperature up to 120°C
 - Single-mode Metal-coated PM 785nm fiber
- Diamond Solution
 - UHV compatible DMI PM connector
 - Titanium ferrule
 - Epoxy seal technology





Features and Application

- Product in phase of standardization.
- Typical Application
 - Vacuum chambers
 - Aeronautics (low pressure, $< 1\text{atm}$)
 - Marine (high pressure, $> 1\text{atm}$)
 - Oil industry (high pressure)