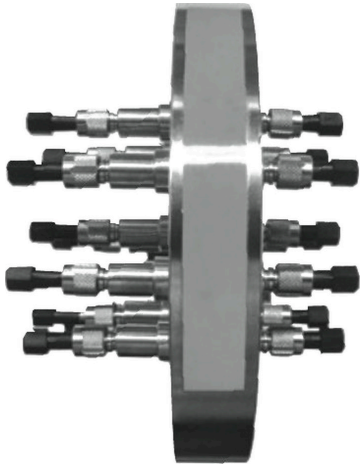


# TOP® Fiber Feedthroughs

Specification Datasheet · TopRays Optical Fiber

TOPRAYS pressure and vacuum feedthroughs offer outstanding reliability and smooth operation to meet the most demanding applications. Our vacuum feedthroughs can be customized to your specifications, with a variety of chamber, flange and port designs for a wide wavelength range.



## Technical Parameters

| Parameter                            | Value                                                 |
|--------------------------------------|-------------------------------------------------------|
| Vacuum feedthrough pressure rating   | 10-11 bar                                             |
| Pressure feedthrough pressure rating | 680 bar   2040 bar (short-term)                       |
| Temperature                          | Vacuum feedthrough: max. 175 °C   pigtail max. 250 °C |
| Interface insertion loss             | -0.8 to -2.0 dB                                       |

## Standard Interface Physical Parameters

| Item     | Vacuum feedthrough | Pressure feedthrough |
|----------|--------------------|----------------------|
| Length   | 60 mm              | 60 mm                |
| Diameter | 10 mm              | 20 mm                |
| Material | Stainless steel    | Stainless steel      |

## Optional Fibers

- Multimode polyimide-coated fiber

## Connector Interfaces

- SMA 905 | SMA 906 | ST

Other interfaces (including custom ferrules) are available on request