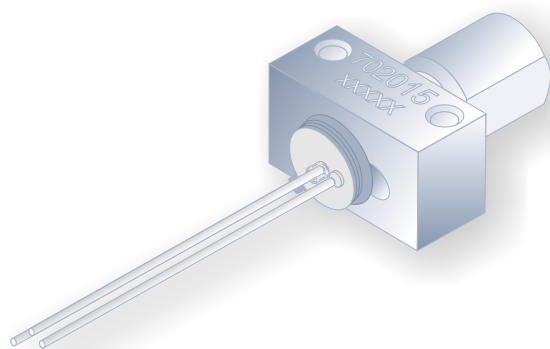




# Active alignment of optoelectronic components to fiber optics

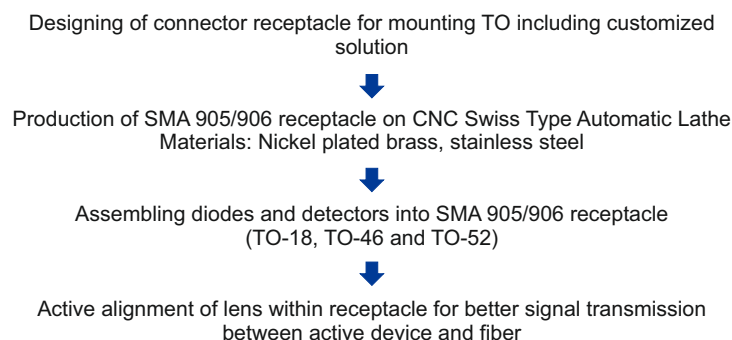
Mating TO-18, TO-46 detectors/diode to SMA 905/906 connectors



**SMA 905 receptacle assembly**

## Features

- Production of high precise SMA metal receptacles.
- Mounting actives into SMA receptacles.
- Active alignment of lens/active device inside of receptacle
- Manufacturing of high performance fiber optic jumpers
- Customized solution



SMA Fiber optic connectors (Round/hex nut, metal/ceramic ferrule)

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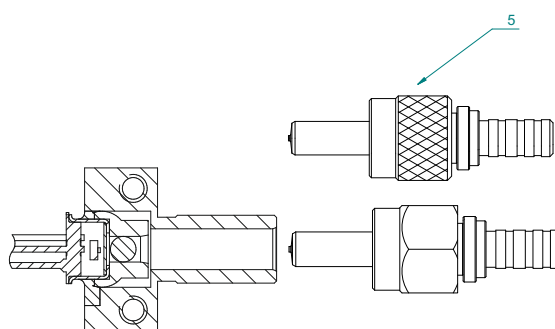
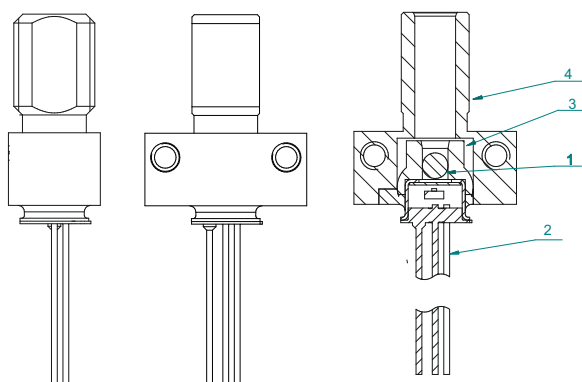
Fiber/cable type (Fiber core diameter:  $50 \pm 1000 \mu\text{m}$ ),  
Wavelength: UV/VIS/NIR –  $190 \pm 2300 \text{ nm}$   
Numerical aperture:  $0.10 \pm 0.4$

↓

Connector assembling  
According to the most rigorous industry standards  
Optical and mechanical performance meets IEC

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Deposition of antireflection coating (ARC) on End Face



1.) Lense, 2.) TO(InGasAs), 3.) Lens holder, 4.) Body, 5.) SMA 905 Connector

SMA Receptacles



TO Inside Receptacle



Receptacle With SMA Connector

