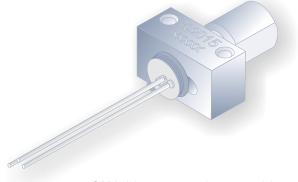




Active alignment of optoelectronic components to fiber optics

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



Features

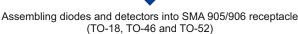
- · Production of high precise SMA metal receptacles.
- Mounting actives into SMA receptacles.
- · Active alignment of lens/active device inside of receptacle
- · Manufacturing of high performance fiber optic jumpers
- · Customized solution

SMA 905 receptacle assembly

Designing of connector receptacle for mounting TO including customized solution



Production of SMA 905/906 receptacle on CNC Swiss Type Automatic Lathe Materials: Nickel plated brass, stainless steel



Active alignment of lens within receptacle for better signal transmission between active device and fiber

Fiber optic jumpers with SMA 905

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



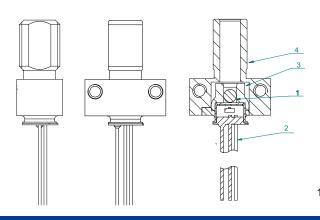
Fiber/cable type (Fiber core diameter: 50 ÷ 1000 μm), Wavelength: UV/VIS/NIR – 190 ÷ 2300 nm Numerical aperture: 0.10 ÷ 0.4

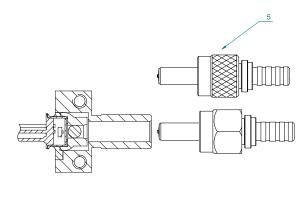
Connector assembling

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



Deposition of antireflection coating (ARC) on End Face





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

