

# SMA Collimator

Controlling divergence and field of view



Collimating lenses can be used to focus light into an optical fiber and to collimate the divergent light coming out of an optical fiber. They allow users to control the field of view and therefore the spatial resolution and collection efficiency. Collimators are also used to measure radiance and luminance.

The SMA collimator can be attached to a fiber cable with an SMA905 connector. The position of the optical fiber can be adjusted to match the focus point.

The SMA Collimator is available with lenses made of UV fused silica and N-BK7 glass.

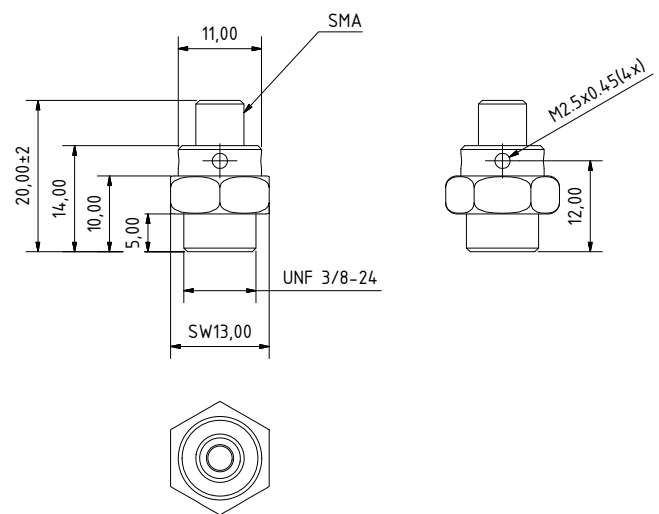
## Specifications

|                   |   |               |
|-------------------|---|---------------|
| Wavelength range  | N-BK7:                                      | 350 - 2500 nm |
|                   | UV fused silica:                            | 185 - 2100 nm |
| Focal length      | 10 mm                                       |               |
| Aperture          | 6 mm  |               |
| Lens surface      | uncoated                                    |               |
| Housing           | black anodized aluminium                    |               |
| Optical interface | SMA connector (other interfaces on request) |               |

## Mechanical Connections

|                 |                    |
|-----------------|--------------------|
| Fiber connector | SMA905             |
| Collimated side | UNF 3/8"-24 thread |

## Mechanical Drawing



## Ordering Information

| Part number       | Description  |
|-------------------|--|
| AC-COLLENS-SMA    | SMA collimator with N-BK7 lens (350 - 2500 nm)           |
| AC-COLLENS-SMA-UV | SMA collimator with UV fused silica lens (185 - 2100 nm) |

## Contact

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