5M-S150-33-S

Micro Focus Optics



FEATURES

Micro focus optics used for focussing the collimated radiation exiting a fiber collimator.

- Attachment optics for fiber collimators type <u>60FC</u> with outer diameter Ø 12 mm
- Focal length f' = 150 mm
- AR Coating 390 670 nm

DESCRIPTION

The Micro Focus Optics type 5M-S150-33-S is used to generate a small laser spot from the collimated radiation of a fiber collimator.

The <u>size of the spot</u> and its <u>Rayleigh range</u> is determined by the fiber properties and by the focal lengths of the fiber collimator and of the micro focus optics. For single-mode fibers the Gaussian intensity distribution and beam shape are maintained.

It is designed for the fiber collimators series <u>60FC</u> with an outer diameter Ø 12 mm.

Adjustment:

In order to change the working distance of the Micro Focus Optics the lens position of the adjacent collimator has to be readjusted.

Housing material:

As standard, the housing of the Micro Focus Optics is made of nickel silver. For amagnetic fiber collimators Schäfter+Kirchhoff offers Micro Focus Optics with housings made of titanium.

TECHNICAL DATA

5M-S150-33-S

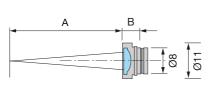
| Series | 5M |
|------------|--------------|
| Order Code | 5M-S150-33-S |



DATA SHEET

| Focal length | 150 mm |
|--------------------|----------------|
| Working distance A | 135 - 150 mm |
| AR coating | 33 |
| Wavelength range | 390 - 670 nm |
| Lens type | Singlet optics |
| Correction | - |
| Numerical aperture | 0.019 |
| Clear aperture | Ø 5.8 mm |
| Outer diameter | Ø 11 mm |
| Length B | 4.9 mm |
| System mount | Ø 8 mm |
| Front fitting | - |
| Housing material | Nickel silver |
| Weight | 5 g |
| RoHS compliant | |

Dimensions (for a complete dimensional drawing please refer to the downloads section)



DOWNLOADS



921120249000.pdf (Dimensional drawing)



Coating-3308-19.pdf (Coating curve)



ACCESSORIES

9D-12

Screwdriver WS 1.2

RELATED PRODUCTS

| MICRO FOCUS OPTICS SERIES 5M | for transforming a collimated beam into a micro focus spot |
|---------------------------------|--|
| ATTACHMENT OPTICS SERIES 5 | to attach in the front of collimators with system mount \varnothing 8 mm |

This is a printout of the page https://sukhamburg.com/products/details/5M-S150-33-S from 5/2/2024

CONTACT

For more information please contact: Schäfter + Kirchhoff GmbH Kieler Str. 212 22525 Hamburg Germany Tel: +49 40 85 39 97-0 Fax: +49 40 85 39 97-79

info@sukhamburg.de www.sukhamburg.com

LEGAL NOTICE

Copyright 2020 Schäfter+Kirchhoff GmbH. All rights reserved.

Text, image, graphic, sound, video and animation files and their arrangement on Schäfter+Kirchhoff GmbH webpages are protected by copyright and other protective laws. The content may not be copied for commercial use or reproduced, modified or used on other websites. [more]

