

25M-M50-37

Micro Focus Optics



FEATURES

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

- Attachment optics for fiber collimators type [60FC-L](#) or [60FC-T](#) with outer diameter Ø 32 mm
- Focal length $f' = 50$ mm
- AR Coating 750 - 1550 nm
- Achromatic correction

DESCRIPTION

The Micro Focus Optics type 25M-M50-37 is used to generate a small laser spot from the collimated radiation of a fiber collimator.

The [size of the spot](#) and its [Rayleigh range](#) 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 [60FC-L](#) or [60FC-T](#) with an outer diameter Ø 32 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

25M-M50-37

Series

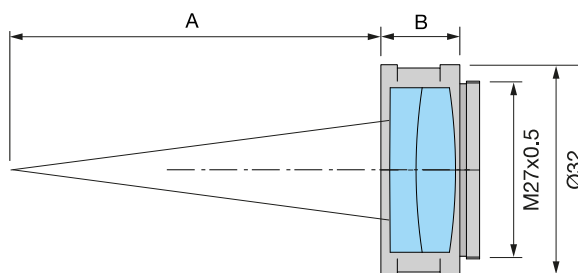
25M

Order Code

25M-M50-37

Focal length	50 mm
Working distance A	42.1 ± 0.2 mm
AR coating	37
Wavelength range	750 - 1550 nm
Lens type	Doublet optics
Correction	Achromatic
Numerical aperture	0.34
Clear aperture	Ø 23.4 mm
Outer diameter	Ø 32 mm
Length B	12 mm
System mount	M27 x 0.5 mm
Front fitting	-
Housing material	Black anodized aluminum
Weight	
RoHS compliant	

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



DOWNLOADS



[980241290200.pdf \(Dimensional drawing\)](#)



[Coating-3700-02.pdf \(Coating curve\)](#)

ACCESSORIES

50HD-15

Hex key WS 1.5

RELATED PRODUCTS

**MICRO FOCUS OPTICS
SERIES 25M**for transforming a collimated beam into a micro focus
spot**ATTACHMENT OPTICS
SERIES 25**to attach in the front of collimators with M27x0.5
thread

This is a printout of the page <https://sukhamburg.com/products/details/25M-M50-37> from 5/1/2024

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. [\[more\]](#)