

13M-M60-33-S

Micro Focus Optics



FEATURES

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

- Attachment optics for fiber collimators type
 60FC-L or 60FC-T with outer diameter Ø 25 mm
- Focal length f' = 60 mm
- AR Coating 390 670 nm
- Monochromatic correction

DESCRIPTION

The Micro Focus Optics type 13M-M60-33-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 $\underline{60FC-L}$ or $\underline{60FC-T}$ with an outer diameter \emptyset 25 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

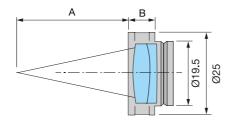
13M-M60-33-S

Series 13M

Order Code 13M-M60-33-S



Focal length	60 mm
Working distance A	52.3 - 53.9 mm
AR coating	33
Wavelength range	390 - 670 nm
Lens type	Doublet optics
Correction	Monochromatic
Numerical aperture	0.125
Clear aperture	Ø 16 mm
Outer diameter	Ø 25 mm
Length B	8 mm
System mount	Ø 19.5 mm
Front fitting	-
Housing material	Nickel silver / steel
Weight	30 g
RoHS compliant	Yes
Dimensions (for a complete dimensional drawing please refer to the downloads section)	



DOWNLOADS



940130018200.pdf (Dimensional drawing)



Coating-3301-25.pdf (Coating curve)



ACCESSORIES

50HD-15 Hex key WS 1.5

RELATED PRODUCTS

MICRO FOCUS OPTICS for transforming a collimated beam into a micro focus

SERIES 13M

ATTACHMENT OPTICS

to attach in the front of collimators with system mount

SERIES 13

Ø19.5 mm

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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

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