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100X Oil Immersion Objective, CFI Plan Achromatic

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Product Downloads

General

Model Number:
MRL01903

Compatible Tube Lens Focal Length (mm):
Focal Length: 200mm

Type:
Microscope Objective

Style:
Infinity Corrected

Manufacturer:

Nikon

Physical & Mechanical Properties

Field of View (mm):
0.22

Length excluding Threads (mm):
59.67

Maximum Diameter (mm):
27.5

Weight (g):
170

Optical Properties

Compatible Cover Glass Thickness (mm):
0.17

Horizontal Field of View, 1/2" Sensor:
0.064

Horizontal Field of View, 2/3" Sensor:
0.088

Magnification:
100X

Numerical Aperture NA:
1.25

Working Distance (mm):
0.2

Field Number (mm):
22

Parfocal Length (mm):
59.87

Immersion Liquid:
Oil

Sensor

Maximum Sensor Format:
2/3"

Threading & Mounting

Mounting Threads:
M25 x 0.75

Regulatory Compliance

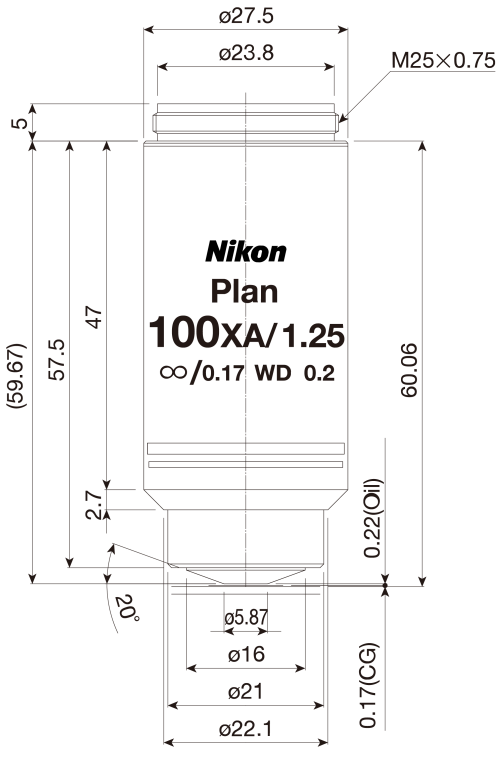
Certificate of Conformance:
View

Product Details

- Exceptional Flat-Field Imaging
- High Numerical Apertures and Oil Immersion Options Available
- Wide Magnification Range (1X to 100X)

Nikon's CFI Plan Achromat Objectives deliver exceptional flat-field imaging ensuring sharp, distortion-free clarity across the entire field of view, making these objectives ideal for both visual inspection and high-precision digital imaging. With high numerical apertures and specialized oil immersion options available, these objectives offer enhanced resolution and light-gathering capability for demanding high-magnification applications. Nikon CFI Plan Achromat Objectives are available in 1X up to 100X magnification, providing solutions for low-magnification overviews or detailed high-resolution imaging. Color corrected for the entire visible spectrum; these objectives are suitable for brightfield and fluorescence observation in routine lab work and photomicrography.

Technical Information


ø27.5
ø23.8
M25×0.75
5
Nikon
Plan
100XA/1.25
∞/0.17 WD 0.2
(59.67)
57.5
47
60.06
2.7
0.22(Oil)
20°
ø5.87
ø16
ø21
ø22.1
0.17(CG)

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