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50X Oil Immersion Objective, CFI Plan Achromatic

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Product Downloads

General

Model Number:
MRL01502

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

Type:
Microscope Objective

Style:
Infinity Corrected

Manufacturer:

Nikon

Physical & Mechanical Properties

Field of View (mm):
0.44

Length excluding Threads (mm):
59.67

Maximum Diameter (mm):
27.5

Weight (g):
165

Optical Properties

Compatible Cover Glass Thickness (mm):
0-0.17

Horizontal Field of View, 1/2" Sensor:
0.128

Horizontal Field of View, 2/3" Sensor:
0.176

Magnification:
50X

Numerical Aperture NA:
0.90

Working Distance (mm):
0.35

Field Number (mm):
22

Parfocal Length (mm):
60.02

Immersion Liquid:
Oil

Sensor

Maximum Sensor Format:
2/3"

Threading & Mounting

Mounting Threads:
M25 x 0.75

Regulatory Compliance

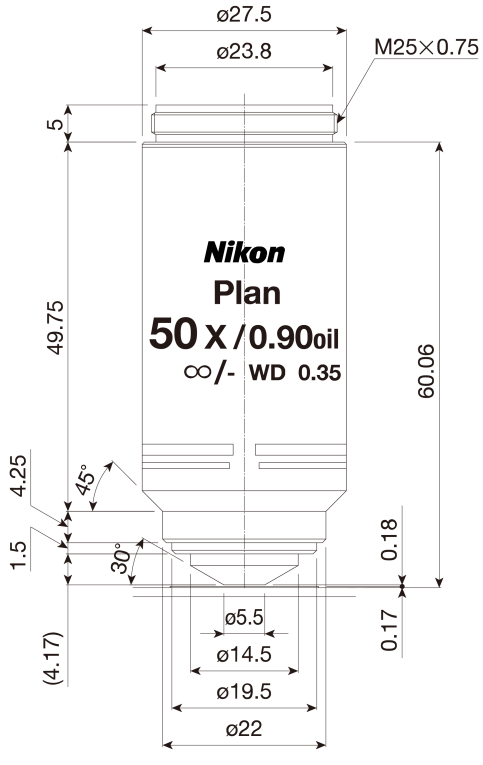
Certificate of Conformance:
View

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
50 X /0.90oil
∞/- WD 0.35
49.75
60.06
4.25
45°
1.5
30°
0.18
0.17
(4.17)
ø5.5
ø14.5
ø19.5
ø22