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100X Water Immersion Objective, Nikon CFI60 Plan

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General

Model Number:
MRL07920

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):
57.30

Maximum Diameter (mm):
35.5

Weight (g):
225

Optical Properties

Compatible Cover Glass Thickness (mm):
N/A

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

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

Magnification:
100X

Numerical Aperture NA:
1.10

Working Distance (mm):
2.5

Field Number (mm):
22

Parfocal Length (mm):
60.5

Immersion Liquid:
Water

Sensor

Maximum Sensor Format:
2/3"

Threading & Mounting

Mounting Threads:
M25 x 0.75

Regulatory Compliance

Certificate of Conformance:
View

Country of Origin:
Japan

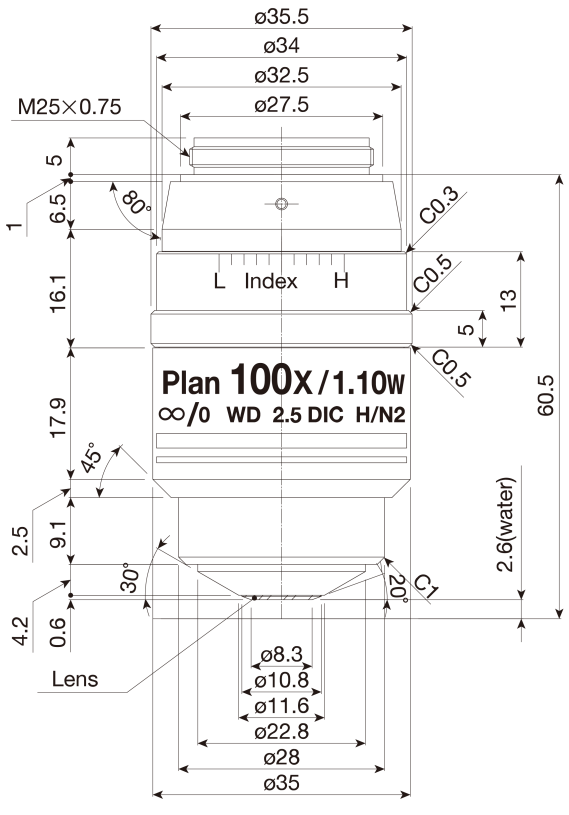
Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

Product Details

- Water Dipping Design for Live Imaging
- Optimized for Infrared (IR) and Multiphoton Microscopy
- High NA for Superior Resolution

Nikon CFI60 Water Dipping Objectives design allows direct immersion into aqueous samples, reducing optical aberrations and enabling high-resolution, live imaging of thick specimens. These objectives are designed with high numerical apertures and long working distances and are available in a variety of magnifications. Featuring M25 x 0.75 mounting threads, these objectives can be easily integrated into existing microscopy systems. Nikon CFI60 Water Dipping Objectives enable high-resolution, low-aberration imaging deep within living tissues by efficiently transmitting infrared light and correcting optical distortions specific to multiphoton and IR microscopy.

Technical Information


ø35.5
ø34
ø32.5
ø27.5
M25×0.75
5
6.5
1
80°
C0.3
L Index H
C0.5
16.1
13
5
C0.5
Plan 100x/1.10W
∞/0 WD 2.5 DIC H/N2
17.9
60.5
45°
2.5
9.1
2.6(water)
30°
20°
C1
4.2
0.6
Lens
ø8.3
ø10.8
ø11.6
ø22.8
ø28
ø35

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