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Olympus MPLN 50X Objective

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General

Model Number:
MPLN50X

Compatible Tube Lens Focal Length (mm):
Focal Length: 180mm

Type:
Microscope Objective

Style:
Infinity Corrected

Manufacturer:

Olympus

Physical & Mechanical Properties

Field of View (mm):
0.44

Length excluding Threads (mm):
44.62

Maximum Diameter (mm):
24

Weight (g):
113

Optical Properties

Compatible Cover Glass Thickness (mm):
N/A

Focal Length FL (mm):
3.60

Magnification:
50X

Numerical Aperture NA:
0.75

Resolving Power (µm):
0.45

Depth of Field (µm):
0.49

Working Distance (mm):
0.38

Wavelength Range (nm):
400 - 700

Field Number (mm):
22

Parfocal Length (mm):
45

Immersion Liquid:
N/A

Entrance Pupil Diameter (mm):
5.40

Threading & Mounting

Mounting Threads:
RMS / 20.32mm x 36 TPI

Regulatory Compliance

Certificate of Conformance:
View

Product Details

- Ideal for Transmitted or Reflected Brightfield Microscopy
- Produce Flat Images Up to Field Number (F.N.) 22
- Excellent Price-to-Performance Ratio
- Additional **Olympus Infinity Corrected Objectives** Available

Olympus MPlan Achromatic Objectives are designed for brightfield observations, providing excellent contrast and optimum flatness throughout the field of view. Engineered for inspection of silicon wafers, metals, and other industrial microscopy applications, these objectives may also be used in Raman microscopes and other reflected light techniques without coverslip correction. Olympus MPlan Achromatic Objectives are available in 5X-100X magnifications and provide excellent image flatness up to F.N. 22. **Olympus Plan Achromatic Objectives** are also available for observing biological specimens.

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