

50X EO M Plan Apo Long Working Distance Infinity Corrected



50XEOMPlan Apo Long Working Distance Infinity Corrected, #59-879

Stock **#59-879** **7 In Stock**

⊖ 1 ⊕ €2.800⁰⁰

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Volume Pricing	
Qty 1+	€2.800,00 each
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Product Downloads

General

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

Microscope Objective **Type:**

Infinity Corrected **Style:**

Physical & Mechanical Properties

Field of View (mm):

0.48

Length (mm):

82.00

Length excluding Threads (mm):

82.00

Maximum Diameter (mm):

34

Weight (g):

320

Optical Properties

Horizontal Field of View, 1/2" Sensor:

0.128mm

Horizontal Field of View, 2/3" Sensor:

0.176mm

Horizontal Field of View, 1" Sensor:

0.256mm

Focal Length FL (mm):

4.00

Magnification:

50X

Numerical Aperture NA:

0.55

Resolving Power (µm):

0.5

Depth of Field (µm):

0.90

Field of View, 24 Diameter Field Eyepiece (mm):

0.48

Working Distance (mm):

13.0

Wavelength Range (nm):

390 - 780

Field Number (mm):

24

Parfocal Length (mm):

95

Immersion Liquid:

N/A

Threading & Mounting

Mounting Threads:

M26 x 36 TPI

Environmental & Durability Factors

Operating Temperature (°C):

+10 to +40

Operating Humidity:

<85% with no condensation

Regulatory Compliance

Certificate of Conformance:

[View](#)

Product Details

- High Quality Optics in a Plan Apochromat Design
- Long Working Distance Options
- Sub-Micron Resolving Power

EO Infinity Corrected Long Working Distance Objectives are made to the highest quality and standards, utilizing a strain-free optical system. They maintain a long working distance and offer high numerical apertures. With resolving power from 5 to 0.34 microns, these objectives work for a wide array of applications. All stated magnifications are based on a tube lens focal length of 200mm. EO Infinity Corrected Long Working Distance Objectives' mounting thread is M26 x 36 TPI. The objectives work with all Mitutoyo parts and can be placed directly in a system currently utilizing Mitutoyo objectives.

Technical Information

	Stock #	A	B	C	D	E
2XMPlan APO	#59-875	61	—	32	27.5	34
5XMPlan APO	#59-876	61	—	32	25	34

10XMPlan APO	#59-877	61.5	2.2	32	25.5	34
20XMPlan APO	#59-878	75	3.2	32	26.7	34
50XMPlan APO	#59-879	82	—	32	25.5	34
100XMPlan APO	#59-880	92	—	32	26	34
50XMPlan APO ULWD	#59-881	74.5	—	32	25.5	34
100XMPlan APO ULWD	#59-882	82	—	32	26	34



Units: mm