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G Plan Apo 50X Objective

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Product Downloads

General

Model Number:
378-848-3

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

Type:
Microscope Objective

Style:
Infinity Corrected

Manufacturer:
Mitutoyo

Physical & Mechanical Properties

Length excluding Threads (mm):
81.10

Maximum Diameter (mm):
34

Weight (g):
320.00

Optical Properties

Compatible Cover Glass Thickness (mm):
3.5

Horizontal Field of View, 1/2" Sensor:
0.13mm

Horizontal Field of View, 2/3" Sensor:
0.18mm

Focal Length FL (mm):
4.00

Magnification:
50X

Numerical Aperture NA:
0.50

Resolving Power (µm):
0.6

Depth of Field (µm):
1.10

Field of View, 24 Diameter Field Eyepiece (mm):
0.48

Working Distance (mm):
13.89 (15.08 through compatible cover glass)

Wavelength Range (nm):
436 - 656

Parfocal Length (mm):
96.19

Immersion Liquid:
N/A

Sensor

Maximum Sensor Format:
2/3"

Threading & Mounting

Mounting Threads:
M26 x 36 TPI

Environmental & Durability Factors

Operating Temperature (°C):
+5 to +40

Operating Humidity:
20 - 80%

Regulatory Compliance

RoHS 2015:
Exempt

Certificate of Conformance:
View

REACH 241:
Contains SVHC(s)

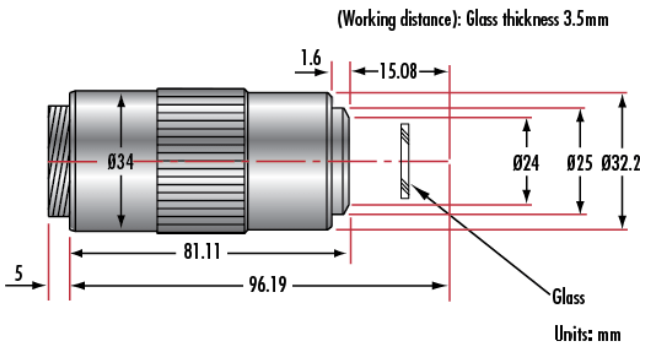
Product Details

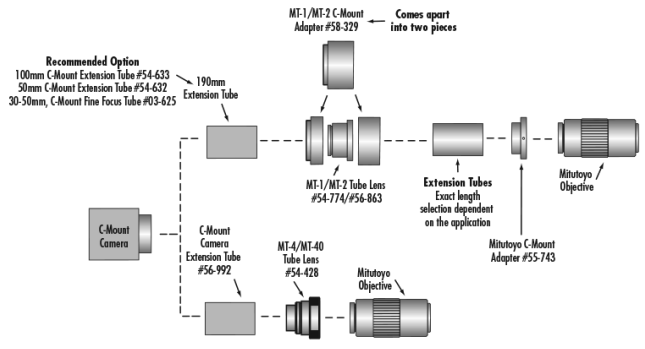
- Infinity Corrected, Plan Apochromatic Designs
- Can Observe Objects through 3.5mm Thick Glass
- Ultra-Long Working Distances
- Image into Vacuum Cells, Optical Traps, Cold Atoms

Mitutoyo Glass Thickness-Compensated Infinity Corrected Objectives are ideal for imaging through glass in a variety of **brightfield inspection microscopy applications**, including inspecting LCDs, semiconductors, or flat screen television monitors, or for imaging into a vacuum. These G Plan APO objectives can also be used in a range of life science applications, such as imaging through a coverslip or mediums like agar, water, or nutrients. Mitutoyo Glass Thickness-Compensated Infinity Corrected Objectives feature excellent color reproducibility and a flat image surface over the entire field of view.

Technical Information

G Plan Apo 50X





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