

G Plan Apo 50X Objective

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£4,937⁴⁸

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SPECIFICATIONS

General

378-848-3

Model Number:

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

Microscope Objective	Type:
Infinity Corrected	Style:
Mitutoyo	Manufacturer:
Physical & Mechanical Properties	
81.10	Length excluding Threads (mm):
34	Maximum Diameter (mm):
320.00	Weight (g):
Optical Properties	
3.5	Compatible Cover Glass Thickness (mm):
0.13mm	Horizontal Field of View, 1/2" Sensor:
0.18mm	Horizontal Field of View, 2/3" Sensor:
4.00	Focal Length FL (mm):
50X	Magnification:
0.50	Numerical Aperture NA:
0.6	Resolving Power (μm):
1.10	Depth of Field (μm):
0.48	Field of View, 24 Diameter Field Eyepiece (mm):
13.89 (15.08 through compatible cover glass)	Working Distance (mm):
436 - 656	Wavelength Range (nm):
96.19	Parfocal Length (mm):
N/A	Immersion Liquid:
Sensor	
2/3"	Maximum Sensor Format:
Threading & Mounting	
M26 x36 TPI	Mounting Threads:
Environmental & Durability Factors	
+5 to +40	Operating Temperature (°C):
20 - 80%	Operating Humidity:
Regulatory Compliance	
Exempt	RoHS 2015:
View	Certificate of Conformance:
Contains SVHC(s)	REACH 241:

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

