

G Plan Apo 50X Objective

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A\$9,024^{.00}

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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 x 36 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

Mtutoyo 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. Mtutoyo 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

(Working distance): Glass thickness 3.5 mm

