

G Plan Apo 50X Objective

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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:**

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:**

Japan **Country of Origin:**

Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000 **Imported By:**

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

(Working distance): Glass thickness 3.5mm

