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G Plan Apo 20X Objective

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Product Downloads

General

Model Number:
378-847

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

Type:
Microscope Objective

Style:
InfinityCorrected

Manufacturer:

Physical & Mechanical Properties

65.60 **Length excluding Threads (mm):**

34 **Maximum Diameter (mm):**

270.00 **Weight (g):**

Optical Properties

3.5 **Compatible Cover Glass Thickness (mm):**

0.32mm **Horizontal Field of View, 1/2" Sensor:**

0.44mm **Horizontal Field of View, 2/3" Sensor:**

10.00 **Focal Length FL (mm):**

20X **Magnification:**

0.28 **Numerical Aperture NA:**

1.0 **Resolving Power (μm):**

3.50 **Depth of Field (μm):**

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

29.42 (30.60 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 ($^{\circ}\text{C}$):**

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 20X

(Working distance): Glass thickness 3.5mm

