

## G Plan Apo 20X Objective

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### 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 ( $\mu\text{m}$ ):**

3.50 **Depth of Field ( $\mu\text{m}$ ):**

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:**

Japan **Country of Origin:**

**Imported By:**  
Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
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## 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

