

# 50X Mitutoyo Plan Apo NIR Infinity Corrected Objective

See More by [Mitutoyo](#)



50X Mitutoyo Plan Apo NIR Infinity Corrected Objective, #46-405

Stock **#46-405** ☐ In Stock

1

**C\$5,825.40**

ADD TO CART

Qty 1+

C\$5,825.40

Volume Pricing

[Request Quote](#)

Get Product Downloads

Compatible Cover Glass Thickness (mm):  
N/A

Design Wavelength DWL (nm):  
532, 1064

Horizontal Field of View, 1/2" Sensor:  
0.13mm

Horizontal Field of View, 2/3" Sensor:  
0.18mm

Focal Length FL (mm):

|                                                                                               |
|-----------------------------------------------------------------------------------------------|
| 4.00                                                                                          |
| <b>Model Number:</b><br>378-825-16                                                            |
| <b>Length excluding Threads (mm):</b><br>78.00                                                |
| <b>Magnification:</b><br>50X                                                                  |
| <b>Maximum Diameter (mm):</b><br>34                                                           |
| <b>Maximum Sensor Format:</b><br>2/3"                                                         |
| <b>Numerical Aperture NA:</b><br>0.42                                                         |
| <b>Mounting Threads:</b><br>M26 x 36 TPI                                                      |
| <b>Compatible Tube Lens Focal Length (mm):</b><br>Focal Length: 200mm                         |
| <b>Type:</b><br>Microscope Objective                                                          |
| <b>Resolving Power (µm):</b><br>0.7                                                           |
| <b>Depth of Field (µm):</b><br>1.60                                                           |
| <b>Field of View, 24 Diameter Field Eyepiece (mm):</b><br>0.48                                |
| <b>Field of View, 18 Diameter Field Eyepiece (mm):</b><br>0.36                                |
| <b>Operating Temperature (°C):</b><br>-5 to +45                                               |
| <b>Operating Humidity:</b><br>20 - 80%                                                        |
| <b>Working Distance (mm):</b><br>17.0                                                         |
| <b>Weight (g):</b><br>315.00                                                                  |
| <b>Note:</b><br>Example Application: cutting and trimming of semiconductor wafer and circuits |
| <b>Wavelength Range (nm):</b><br>480 - 1800                                                   |
| <b>Style:</b><br>Infinity Corrected                                                           |
| <b>Manufacturer:</b><br>Mitutoyo                                                              |
| <b>Parfocal Length (mm):</b><br>95                                                            |
| <b>Immersion Liquid:</b><br>N/A                                                               |

## Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Exempt</a>                |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |
| <b>Reach 240:</b><br><a href="#">Contains SVHC(s)</a>      |