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## 0.5" Dia f/10 Uncoated, Molded Acrylic Aspheric Lens



Molded Acrylic Aspheric Lenses



Stock #48-169 CLEARANCE **14 In Stock**

- 1 + MRP ₹5,751

! Price inclusive of all taxes

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Qty 1+	₹5,751 each
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### Product Downloads

### General

Aspheric Lens **Type:**

### Physical & Mechanical Properties

12.70 ±0.1 **Diameter (mm):**

**Clear Aperture CA (mm):**

11.4

Edge Thickness ET (mm):

2.0

Center Thickness CT (mm):

2.30

Radius R (mm):

62.23

## Optical Properties

Effective Focal Length EFL (mm):

127.00 @ 632.8nm

Numerical Aperture NA:

0.05

Back Focal Length BFL (mm):

125.5

Substrate: □

PMMA

Focal Length Tolerance (%):

±1

Aspheric Design Wavelength (nm):

632.8

Coating:

Uncoated

f/#:

10.0

Abbe Number ( $v_d$ ):

61.4

Index of Refraction ( $n_d$ ):

1.49

Wavelength Range (nm):

400 - 1100

Focal Length Specification Wavelength (nm):

632.8

## Environmental & Durability Factors

Operating Temperature (°C):

80.0

## Regulatory Compliance

RoHS 2015:

[Compliant](#)

Certificate of Conformance:

[View](#)

Reach 242:

[Compliant](#)

Country of Origin:

United States

Imported By:

Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
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Karnataka, India 560038  
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## Product Details

- Prescription Information Available
- Reduced Spherical Aberration
- Broadband AR Coating Option

Our molded acrylic aspheres are economical solutions for a variety of photonic applications. With available prescription information, these lenses are easily integrated into both benchtop and OEM applications. They are available uncoated and with broadband antireflection coatings. Standard diameter sizes of 0.5" and 1" allow them to be easily mounted using our full line of [lens mounts](#).