

[See all 37 Products in Family](#)

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



Molded Acrylic Aspheric Lenses



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

A\$91<sup>20</sup>

ADD TO CART

Volume Pricing	
Qty 1+	A\$91.20 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

Aspheric Lens Type:

**Physical & Mechanical Properties**

12.70 ±0.1 Diameter (mm):

11.4 Clear Aperture CA (mm):

2.0 ±0.1	Edge Thickness ET (mm):
2.30	Center Thickness CT (mm):
62.23	Radius R (mm):

## Optical Properties

127.00 @ 632.8nm	Effective Focal Length EFL (mm):
0.05	Numerical Aperture NA:
125.5	Back Focal Length BFL (mm):
PMMA	Substrate: <input type="checkbox"/>
±1	Focal Length Tolerance (%):
632.8	Aspheric Design Wavelength (nm):
Uncoated	Coating:
10.0	f#:
61.4	Abbe Number (v <sub>d</sub> ):
1.49	Index of Refraction (n <sub>d</sub> ):
400 - 1100	Wavelength Range (nm):
632.8	Focal Length Specification Wavelength (nm):

## Environmental & Durability Factors

80.0	Operating Temperature (°C):
------	-----------------------------

## Regulatory Compliance

<a href="#">Compliant</a>	RoHS 2015:
<a href="#">View</a>	Certificate of Conformance:
<a href="#">Compliant</a>	Reach 242:

## 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](#).