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12.7mm Dia f/1 Uncoated, Molded Acrylic Aspheric Lens



Molded Acrylic Aspheric Lenses



Stock **#48-164** 20+ In Stock

-

1

+

₹4,204

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Volume Pricing	
Qty 1-10	₹4,204 each
Qty 11-49	₹3,503 each
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General

Aspheric Lens

Type:

Physical & Mechanical Properties

12.70 ±0.1

Diameter (mm):

Clear Aperture CA (mm):

11.4	
	Edge Thickness ET (mm):
2.00	
	Center Thickness CT (mm):
4.92	
	Bevel:
Protective as needed	
	Radius R (mm):
6.22	

Optical Properties

	Effective Focal Length EFL (mm):
12.70 @ 632.8nm	
	Numerical Aperture NA:
0.50	
	Back Focal Length BFL (mm):
9.40	
	Substrate:
PMMA	
	Focal Length Tolerance (%):
±1	
	Aspheric Design Wavelength (nm):
632.8	
	Coating:
Uncoated	
	f/#:
1.00	
	Wavelength Range (nm):
400 - 1100	
	Conjugate Distance:
Infinite	

Environmental & Durability Factors

	Operating Temperature (°C):
80.00	

Regulatory Compliance

	RoHS 2015:
Compliant	
	Certificate of Conformance:
View	
	Reach 242:
Compliant	
	Country of Origin:
United States	
	Imported By:
Edmund Optics India Private Limited	

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](#).

Compatible Mounts