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8mm Dia. x 5.9mm FL, Small Diameter Plastic Aspheric Lens



Stock **#15-273** [CONTACT US](#)

- 1 + \$50^{ea}

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Volume Pricing	
Qty 1-10	\$50.40 each
Qty 11-49	\$42.00 each
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General

Aspheric Lens **Type:**

Physical & Mechanical Properties

8.00 ±0.20 **Diameter (mm):**

7.00 **Clear Aperture CA (mm):**

1.22 **Edge Thickness ET (mm):**

3.00 ±0.20 **Center Thickness CT (mm):**

Optical Properties

5.90 **Effective Focal Length EFL (mm):**

0.68 **Numerical Aperture NA:**

4.7 **Back Focal Length BFL (mm):**

Polycarbonate **Substrate:**

±1.5 **Focal Length Tolerance (%):**

550 **Aspheric Design Wavelength (nm):**

Uncoated **Coating:**

60-40 **Surface Quality:**

0.74 **f#:**

550 **Design Wavelength DWL (nm):**

1.585 **Index of Refraction (n_d):**

Regulatory Compliance

Compliant **RoHS 2015:**

Compliant **Reach 224:**

View **Certificate of Conformance:**

Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

- Small Diameter Eases OEM Integration
- High Numerical Apertures
- Ideal for Medical and Diagnostic Instrumentation

Small Diameter Plastic Aspheric Lenses are designed with OEM integration in mind. The small diameters, lightweight materials, and high numerical apertures make these lenses ideal for medical devices, diagnostic instrumentation, or wearable applications. Full prescription data is available to assist in design integration.

Note: For custom coating requirements, please [contact us](#).