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LightPath 355230 | 6.33mm Dia., 0.55 NA, BBAR (1050-1600nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#87-155** **15 In Stock**

[Other Coating Options](#)

⊖ 1 ⊕ **A\$136⁰⁰**

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Volume Pricing	
Qty 1-10	A\$136.00 each
Qty 11-49	A\$122.40 each
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General

Thickness: 0.25 (t) (mm)
Material: BK7

Compatible Window:

355230

Lightpath Lens Code:

Aspheric Lens

Type:

Collimate or Focus Laser Light

Typical Applications:

Physical & Mechanical Properties

6.33 ±0.020 Diameter (mm):

5.07 Clear Aperture CA (mm):

1.67 Edge Thickness ET (mm):

2.71 ±0.05 Center Thickness CT (mm):

Protective as needed Bevel:

2.834 Distance from Window to Lens (D) (mm):

Optical Properties

4.51 @ 780nm Effective Focal Length EFL (mm):

0.55 Numerical Aperture NA:

[D-ZLaF52LA](#) Substrate: □

±1 Focal Length Tolerance (%):

780 Aspheric Design Wavelength (nm):

BBAR (1050-1600nm) Coating:

R_{abs} <1.0% @ 1050 - 1600nm Coating Specification:

40-20 Surface Quality:

0.91 f#:

40.79 Abbe Number (v_d):

1.806 Index of Refraction (n_d):

1050 - 1600 Wavelength Range (nm):

3.08 Working Distance (mm):

Infinite Conjugate Distance:

780.00 Focal Length Specification Wavelength (nm):

< 0.09 Transmitted Wavefront Error (λ, RMS):

Material Properties

6.9 Coefficient of Thermal Expansion CTE (10⁻⁶/°C):

Environmental & Durability Factors

≤200 Operating Temperature (°C):

Regulatory Compliance

[Compliant](#) RoHS 2015:

[View](#) Certificate of Conformance:

[Compliant](#) Reach 247:

Product Details

- Eliminate Spherical Aberration
- Multiple Coating Options Available
- Range of Numerical Apertures

LightPath® Geltech™ Molded Aspheric Lenses are used to eliminate spherical aberration and improve focusing and collimating accuracy in a variety of laser applications. Low NA aspheric lenses are designed to maintain beam shape, while high NA lenses gather all available light to maintain beam power over long distances. LightPath® Geltech™ Molded Aspheric Lenses are ideal for applications including sighting systems, bar code scanners, laser



Technical Information

