

[See all 75 Products in Family](#)

LightPath 355230 | 6.33mm Dia., 0.55 NA, BBAR (600-1050nm), Molded Aspheric Lens

See More by [Lightpath®](#)



Precision Molded Aspheric Lenses

Stock #87-154 **20+ In Stock**

[Other Coating Options](#)

- 1 + C\$119.⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-10	C\$119.00 each
Qty 11-49	C\$107.10 each
Need More?	Request Quote

Product Downloads

General

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

Compatible Window:

355230

Lightpath Lens Code:

Aspheric Lens

Type:

Typical Applications:

Physical & Mechanical Properties

Diameter (mm):

6.33 ±0.020

Clear Aperture CA (mm):

5.07

Edge Thickness ET (mm):

1.67

Center Thickness CT (mm):

2.71 ±0.05

Bevel:

Protective as needed

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

2.834

Optical Properties

Effective Focal Length EFL (mm):

4.51 @780nm

Numerical Aperture NA:

0.55

Substrate: [D-ZLaF52LA](#)

Focal Length Tolerance (%):

±1

Aspheric Design Wavelength (nm):

780

Coating:

BBAR (600-1050nm)

Coating Specification:

R_{abs} <1.0% @ 600 - 1050nm

Surface Quality:

40-20

f#:

0.91

Abbe Number (v_d):

40.79

Index of Refraction (n_d):

1.806

Wavelength Range (nm):

600 - 1050

Working Distance (mm):

3.08

Conjugate Distance:

Infinite

Focal Length Specification Wavelength (nm):

780.00

Transmitted Wavefront Error (λ, RMS):

< 0.09

Material PropertiesCoefficient of Thermal Expansion CTE (10⁻⁶/°C):

6.9

Environmental & Durability Factors

Operating Temperature (°C):

≤200

Regulatory Compliance

RoHS 2015:

[Compliant](#)

Certificate of Conformance:

[View](#)

Reach 247:

[Compliant](#)**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

