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

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Precision Molded Aspheric Lenses

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

[Other Coating Options](#)

- 1 + A\$136.<sup>00</sup>

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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:

Typical Applications:

**Physical & Mechanical Properties**Diameter (mm):  
6.33 ±0.020Clear Aperture CA (mm):  
5.07Edge Thickness ET (mm):  
1.67Center Thickness CT (mm):  
2.71 ±0.05Bevel:  
Protective as neededDistance from Window to Lens (D) (mm):  
2.834**Optical Properties**Effective Focal Length EFL (mm):  
4.51 @780nmNumerical Aperture NA:  
0.55Substrate:   
[D-ZLaF52LA](#)Focal Length Tolerance (%):  
±1Aspheric Design Wavelength (nm):  
780Coating:  
BBAR (600-1050nm)Coating Specification:  
R<sub>abs</sub> <1.0% @ 600 - 1050nmSurface Quality:  
40-20f#:  
0.91Abbe Number (v<sub>d</sub>):  
40.79Index of Refraction (n<sub>d</sub>):  
1.806Wavelength Range (nm):  
600 - 1050Working Distance (mm):  
3.08Conjugate Distance:  
InfiniteFocal Length Specification Wavelength (nm):  
780.00Transmitted Wavefront Error (λ, RMS):  
< 0.09**Material Properties**Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°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

