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LightPath 354340 | 6.33mm Dia., 0.64 NA, BBAR (600-1050nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#87-162** **20+ In Stock**

[Other Coating Options](#)

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1

+

S\$119⁰⁰

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Volume Pricing	
Qty 1-10	S\$119.00 each
Qty 11-49	S\$107.10 each
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Product Downloads

General	
Thickness: 1.20 (t) (mm) Material: K3	Compatible Window:
354340	Lightpath Lens Code:
Aspheric Lens	Type:

Typical Applications:
Collimate or Focus Laser Light

Physical & Mechanical Properties	
Diameter (mm):	6.33 ±0.020
Clear Aperture CA (mm):	5.1
Edge Thickness ET (mm):	1.48
Center Thickness CT (mm):	3.10 ±0.03
Bevel:	Protective as needed
Distance from Window to Lens (D) (mm):	1.483

Optical Properties	
Effective Focal Length EFL (mm):	4.03 @ 685nm
Numerical Aperture NA:	0.64
Substrate: 	
Focal Length Tolerance (%):	±1
Aspheric Design Wavelength (nm):	685
Coating:	BBAR (600-1050nm)
Coating Specification:	R _{abs} <1.0% @ 600 - 1050nm
Surface Quality:	40-20
f/#:	0.78
Abbe Number (v _d):	60.88
Index of Refraction (n _d):	1.586
Wavelength Range (nm):	600 - 1050
Working Distance (mm):	2.68
Conjugate Distance:	Infinite
Focal Length Specification Wavelength (nm):	685.00
Transmitted Wavefront Error (λ, RMS):	< 0.08

Material Properties	
Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):	7.6

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

diode-to-fiber coupling, optical data storage, or biomedical lasers.

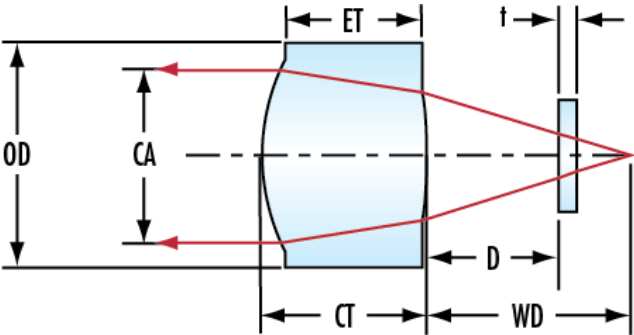
LASER OPTICS

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Technical Information



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