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LightPath 354453 | 6mm Dia., 0.55 NA, BBAR (1050-1600nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#87-159** **20+ In Stock**

[Other Coating Options](#)

-

1

+

S\$105⁰⁰

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Volume Pricing	
Qty 1-10	S\$105.00 each
Qty 11-49	S\$94.50 each
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Product Downloads

General	
Thickness: 0.28 (t) (mm) Material: BK7	Compatible Window:
354453	Lightpath Lens Code:
Aspheric Lens	Type:

Typical Applications:	
Collimate or Focus Laser Light	

Physical & Mechanical Properties	
6.00 ±0.020	Diameter (mm):
4.8	Clear Aperture CA (mm):
1.75	Edge Thickness ET (mm):
3.14 ±0.02	Center Thickness CT (mm):
Protective as needed	Bevel:
2.049	Distance from Window to Lens (D) (mm):

Optical Properties	
4.60 @ 655nm	Effective Focal Length EFL (mm):
0.55	Numerical Aperture NA:
D-ZK3	Substrate: □
±1	Focal Length Tolerance (%):
655	Aspheric Design Wavelength (nm):
BBAR (1050-1600nm)	Coating:
R _{abs} <1.0% @ 1050 - 1600nm	Coating Specification:
40-20	Surface Quality:
0.91	f/#:
60.88	Abbe Number (v _d):
1.586	Index of Refraction (n _d):
1050 - 1600	Wavelength Range (nm):
2.7	Working Distance (mm):
Infinite	Conjugate Distance:
655.00	Focal Length Specification Wavelength (nm):
< 0.09	Transmitted Wavefront Error (λ, RMS):

Material Properties	
7.6	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

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

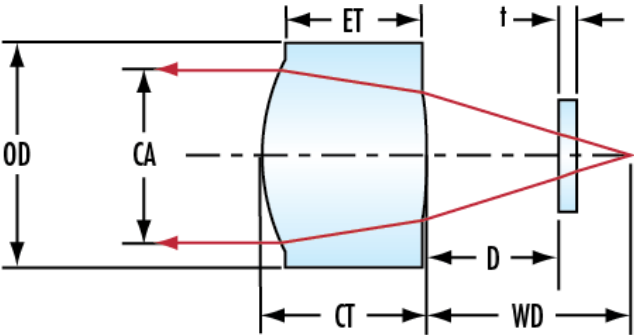
LASER OPTICS

MADE BY EDMUND OPTICS®



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Technical Information



Compatible Mounts