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LightPath 355151 | 3mm Dia., 0.50 NA, BBAR (600-1050nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#83-583** **20+ In Stock**

[Other Coating Options](#)

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1

+

A\$120⁰⁰

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Volume Pricing	
Qty 1-10	A\$120.00 each
Qty 11-49	A\$108.00 each
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Product Downloads

General	
Thickness: 0.25 (t) (mm) Material: BK7	Compatible Window:
355151	Lightpath Lens Code:
Aspheric Lens	Type:

Typical Applications: Collimate or Focus Laser Light	
Physical & Mechanical Properties	
Diameter (mm):	3.00 ±0.015
Clear Aperture CA (mm):	2
Edge Thickness ET (mm):	1.40
Center Thickness CT (mm):	1.89 ±0.03
Bevel:	Protective as needed
Distance from Window to Lens (D) (mm):	0.479
Optical Properties	
Effective Focal Length EFL (mm):	2.00 @ 780nm
Numerical Aperture NA:	0.50
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/#:	1.00
Abbe Number (v _d):	40.79
Index of Refraction (n _d):	1.806
Wavelength Range (nm):	600 - 1050
Working Distance (mm):	1.029
Conjugate Distance:	Infinite
Focal Length Specification Wavelength (nm):	780.00
Transmitted Wavefront Error (λ, RMS):	< 0.07
Material Properties	
Coefficient 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

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

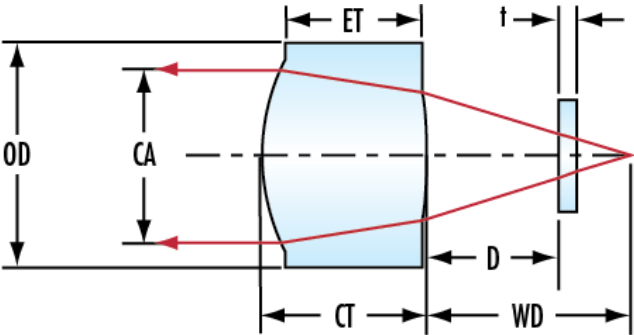
LASER OPTICS

MADE BY EDMUND OPTICS®



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Technical Information



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