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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

- 1 + S$105.00

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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

Compatible Window:

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

Lightpath Lens Code:

355151

Type:

Aspheric Lens

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

Wavelength Range (nm):
600 - 1050

Working Distance (mm):
1.029

Conjugate Distance:
Infinite

Transmitted Wavefront Error (λ, RMS):
< 0.07

Environmental & Durability Factors

Operating Temperature (°C):
≤200

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

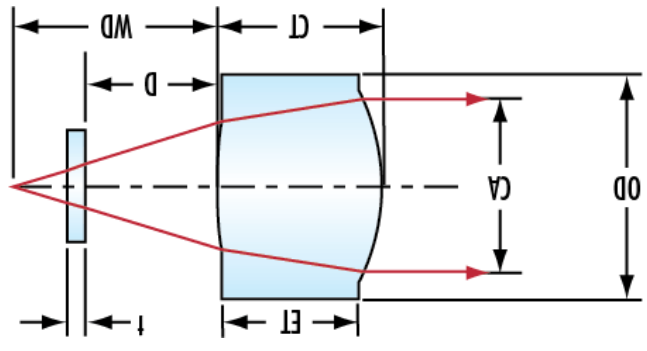
Reach 247:
Compliant

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.

Technical Information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