

LightPath 355485 | 1 x 1mm, 0.50 NA, BBAR (1050-1600nm), Molded Aspheric Lens

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Stock **#37-114** 20+ In Stock

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1

+

C\$124⁰⁰

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Volume Pricing	
Qty 1-10	C\$124.60 each
Qty 11-49	C\$112.00 each
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Product Downloads

General	
355485	Lightpath Lens Code:
Aspheric Lens	Type:

Typical Applications:
Finite Conjugate for Magnification

Note:
NA, Image (mm): 0.10
WD, Image (mm): 3.03
WD, Object (mm): 0.3

Physical & Mechanical Properties	
1.0 x 1.0 ±0.015	Dimensions (mm):
0.35	Clear Aperture CA (mm):
0.51	Edge Thickness ET (mm):
0.66 ±0.05	Center Thickness CT (mm):
Protective as needed	Bevel:

Optical Properties	
0.55 @ 1550nm	Effective Focal Length EFL (mm):
0.50	Numerical Aperture NA:
D-ZLaF52LA	Substrate: 
±1	Focal Length Tolerance (%):
1550	Aspheric Design Wavelength (nm):
BBAR (1050-1600nm)	Coating:
R _{abs} <1.0% @ 1050 - 1600nm	Coating Specification:
40-20	Surface Quality:
1.00	f/#:
1050 - 1600	Wavelength Range (nm):
0.3	Working Distance (mm):
Finite	Conjugate Distance:
< 0.04	Transmitted Wavefront Error (λ, RMS):

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

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Technical Information



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