

LightPath 354105 | 7.2mm Dia., 0.56 NA, BBAR (350-700nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#87-145** **20+ In Stock**

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1

+

A\$142⁻⁴⁰

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Volume Pricing	
Qty 1-10	A\$142.40 each
Qty 11-49	A\$128.00 each
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SPECIFICATIONS

General

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

Compatible Window:

354105	Lightpath Lens Code:
Aspheric Lens	Type:
Collimate or Focus Laser Light	Typical Applications:
Physical & Mechanical Properties	
7.20 ±0.020	Diameter (mm):
6	Clear Aperture CA (mm):
1.29	Edge Thickness ET (mm):
2.94 ±0.03	Center Thickness CT (mm):
Protective as needed	Bevel:
3.091	Distance from Window to Lens (D) (mm):
Optical Properties	
5.50 @633nm	Effective Focal Length EFL (mm):
0.56	Numerical Aperture NA:
D-ZK3	Substrate: □
±1	Focal Length Tolerance (%):
633	Aspheric Design Wavelength (nm):
BBAR (350-700nm)	Coating:
R _{avg} ≤0.5% @ 350 - 700nm	Coating Specification:
40-20	Surface Quality:
0.89	f/#:
350 - 700	Wavelength Range (nm):
3.7	Working Distance (mm):
Infinite	Conjugate Distance:
< 0.07	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.



