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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\$142⁰⁰**

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

60.88 Abbe Number (v_d):

1.586 Index of Refraction (n_d):

350 - 700 Wavelength Range (nm):

3.7 Working Distance (mm):

Infinite Conjugate Distance:

633.00 Focal Length Specification Wavelength (nm):

< 0.07 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



Technical Information

