

[See all 76 Products in Family](#)

LightPath 354850 | 6.33mm Dia., 0.13 NA, BBAR (350-700nm), Molded Aspheric Lens

See More by [Lightpath®](#)



Precision Molded Aspheric Lenses

Stock **#83-543** **20+ In Stock**

[Other Coating Options](#)

⊖ 1 ⊕ **S\$119⁰⁰**

ADD TO CART

Volume Pricing	
Qty 1-10	S\$119.00 each
Qty 11-49	S\$107.10 each
Need More?	Request Quote

Product Downloads

General

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

Compatible Window:

354850

Lightpath Lens Code:

Aspheric Lens

Type:

Collimate or Focus Laser Light

Typical Applications:

Physical & Mechanical Properties

6.33 ±0.015 Diameter (mm):

5.5 Clear Aperture CA (mm):

2.35 Edge Thickness ET (mm):

2.66 ±0.05 Center Thickness CT (mm):

Protective as needed Bevel:

19.157 Distance from Window to Lens (D) (mm):

Optical Properties

22.00 @670nm Effective Focal Length EFL (mm):

0.13 Numerical Aperture NA:

D-ZK3 Substrate: □

±1 Focal Length Tolerance (%):

670 Aspheric Design Wavelength (nm):

BBAR (350-700nm) Coating:

R_{avg} ≤0.5% @ 350 - 700nm Coating Specification:

40-20 Surface Quality:

3.85 f#:

60.88 Abbe Number (v_d):

1.586 Index of Refraction (n_d):

350 - 700 Wavelength Range (nm):

20.41 Working Distance (mm):

Infinite Conjugate Distance:

670.00 Focal Length Specification Wavelength (nm):

< 0.12 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

