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# LightPath 354220 | 7.2mm Dia., 0.25 NA, BBAR (600-1050nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#87-118** CLEARANCE **20+ In Stock**

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-

1

+

A\$62<sup>40</sup>

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| Qty 1+         | A\$62.40 each                 |
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| General                                   |                       |
|-------------------------------------------|-----------------------|
| Thickness: 0.25 (t) (mm)<br>Material: BK7 | Compatible Window:    |
| 354220                                    | Lightpath Lens Code:  |
| Aspheric Lens                             | Type:                 |
| Collimate or Focus Laser Light            | Typical Applications: |

| Physical & Mechanical Properties |                                        |
|----------------------------------|----------------------------------------|
| 7.20 ±0.020                      | Diameter (mm):                         |
| 5.5                              | Clear Aperture CA (mm):                |
| 4.21                             | Edge Thickness ET (mm):                |
| 5.03 ±0.05                       | Center Thickness CT (mm):              |
| Protective as needed             | Bevel:                                 |
| 6.909                            | Distance from Window to Lens (D) (mm): |
| Optical Properties               |                                        |

|                                       |                                       |
|---------------------------------------|---------------------------------------|
| 11.00 @ 633nm                         | Effective Focal Length EFL (mm):      |
| 0.25                                  | Numerical Aperture NA:                |
| D-ZK3                                 | Substrate: □                          |
| ±1                                    | Focal Length Tolerance (%):           |
| 633                                   | Aspheric Design Wavelength (nm):      |
| BBAR (600-1050nm)                     | Coating:                              |
| R <sub>abs</sub> <1.0% @ 600 - 1050nm | Coating Specification:                |
| 40-20                                 | Surface Quality:                      |
| 2.00                                  | f/#:                                  |
| 600 - 1050                            | Wavelength Range (nm):                |
| 7.9                                   | Working Distance (mm):                |
| Infinite                              | Conjugate Distance:                   |
| < 0.040                               | Transmitted Wavefront Error (λ, RMS): |

| Environmental & Durability Factors |                             |
|------------------------------------|-----------------------------|
| ≤200                               | Operating Temperature (°C): |

| Regulatory Compliance |                             |
|-----------------------|-----------------------------|
| Compliant             | RoHS 2015:                  |
| View                  | Certificate of Conformance: |
| Compliant             | Reach 233:                  |

## 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

