

# LightPath 354057 | 6.33mm Dia., 0.20 NA, BBAR (600-1050nm), Molded Aspheric Lens

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Stock **#83-686** 20+ In Stock

-

1

+

A\$136<sup>00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | A\$136.00 each                |
| Qty 11-49      | A\$122.40 each                |
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Product Downloads

| General                          |                         |
|----------------------------------|-------------------------|
| 354057                           | Lightpath Lens Code:    |
| Aspheric Lens                    | Type:                   |
| Physical & Mechanical Properties |                         |
| 6.33 ±0.015                      | Diameter (mm):          |
|                                  | Clear Aperture CA (mm): |

|                      |                           |
|----------------------|---------------------------|
| 5.20                 |                           |
| 1.71                 | Edge Thickness ET (mm):   |
| 2.38 ±0.05           | Center Thickness CT (mm): |
|                      | Bevel:                    |
| Protective as needed |                           |

Optical Properties

|                                       |                                       |
|---------------------------------------|---------------------------------------|
| 13.00 @ 633nm                         | Effective Focal Length EFL (mm):      |
| 0.20                                  | 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:                |
| 60-40                                 | Surface Quality:                      |
| 2.5                                   | f/#:                                  |
| 600 - 1050                            | Wavelength Range (nm):                |
| 11.600                                | Working Distance (mm):                |
| Infinite                              | Conjugate Distance:                   |
| < 0.150                               | Transmitted Wavefront Error (λ, RMS): |

Regulatory Compliance

|           |                             |
|-----------|-----------------------------|
| Compliant | RoHS 2015:                  |
| View      | Certificate of Conformance: |
| Compliant | Reach 247:                  |

## Product Details

- Compact, Molded Aspheric Lens Design
- Improved Performance Compared to Doublet and Triplet Lenses
- Ideal for Laser Tools and Measurement Systems

LightPath® Laser Tool Molded Aspheric Lenses are designed to fulfill the needs of a variety of tools and measurement systems utilizing laser diodes, including leveling lasers, projectors, scanners, trackers, and gun sights. By utilizing a single aspheric lens, the need for a multi-lens system is eliminated, allowing for a more compact and robust design. Each aspheric lens is offered with various anti-reflection coatings for optimum transmission in the visible and NIR wavelength ranges. LightPath® Laser Tool Molded Aspheric Lenses' anti-reflection coating options for each lens provides <1% average reflection over the entire design wavelength range. The lenses are offered in four different diameters: 3mm, 4.70mm, 6mm, and 6.33mm.

