

# LightPath 354064 | 6mm Dia., 0.24 NA, BBAR (1050-1600nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#37-111** **5 In Stock**

-

1

+

S\$105<sup>.00</sup>

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| Qty 1-10       | S\$105.00 each                |
| Qty 11-49      | S\$94.50 each                 |
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## SPECIFICATIONS

### General

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

Compatible Window:

Lightpath Lens Code:

|                                        |                                                                                                |
|----------------------------------------|------------------------------------------------------------------------------------------------|
| 354064                                 |                                                                                                |
| Aspheric Lens                          | Type:                                                                                          |
| Collimate or Focus Laser Light         | Typical Applications:                                                                          |
| Physical & Mechanical Properties       |                                                                                                |
| 6.00 ±0.015                            | Diameter (mm):                                                                                 |
| 5.2                                    | Clear Aperture CA (mm):                                                                        |
| 2.59                                   | Edge Thickness ET (mm):                                                                        |
| 3.10 ±0.05                             | Center Thickness CT (mm):                                                                      |
| Protective as needed                   | Bevel:                                                                                         |
| 8.706                                  | Distance from Window to Lens (D) (mm):                                                         |
| Optical Properties                     |                                                                                                |
| 11.00 @633nm                           | Effective Focal Length EFL (mm):                                                               |
| 0.24                                   | Numerical Aperture NA:                                                                         |
| D-ZK3                                  | Substrate:  |
| ±1                                     | Focal Length Tolerance (%):                                                                    |
| 633                                    | Aspheric Design Wavelength (nm):                                                               |
| BBAR (1050-1600nm)                     | Coating:                                                                                       |
| R <sub>abs</sub> <1.0% @ 1050 - 1600nm | Coating Specification:                                                                         |
| 80-50                                  | Surface Quality:                                                                               |
| 2.50                                   | f/#:                                                                                           |
| 1050 - 1600                            | Wavelength Range (nm):                                                                         |
| 9.3                                    | Working Distance (mm):                                                                         |
| Infinite                               | Conjugate Distance:                                                                            |
| < 0.09                                 | 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.

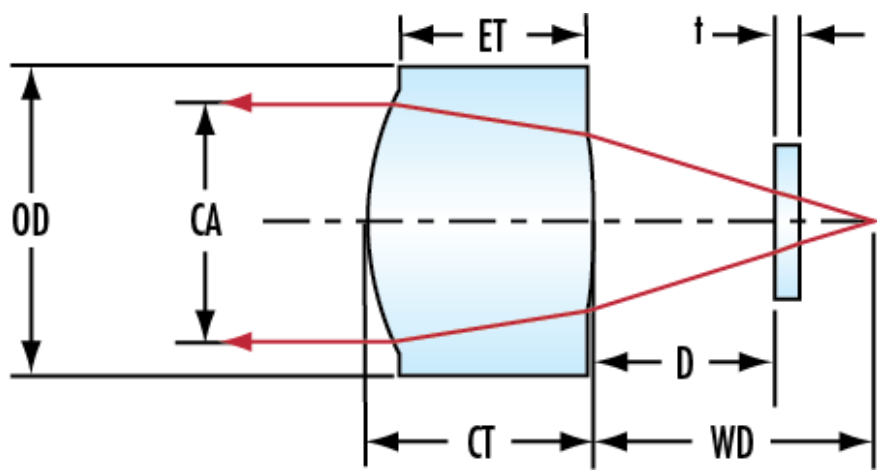
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