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# LightPath 355330 | 6.33mm Dia., 0.77 NA, BBAR (600-1050nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#83-674** 20+ In Stock

-

1

+

₹13,230

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | ₹13,230 each                  |
| Qty 11-49      | ₹11,610 each                  |
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Product Downloads

| General                          |                       |
|----------------------------------|-----------------------|
| 355330                           | Lightpath Lens Code:  |
| Aspheric Lens                    | Type:                 |
| Collimate or Focus Laser Light   | Typical Applications: |
| Physical & Mechanical Properties |                       |

|                      |                           |
|----------------------|---------------------------|
| 6.33 ±0.015          | Diameter (mm):            |
| 5                    | Clear Aperture CA (mm):   |
| 1.12                 | Edge Thickness ET (mm):   |
| 2.71 ±0.02           | Center Thickness CT (mm): |
| Protective as needed | Bevel:                    |

Optical Properties

|                                       |                                       |
|---------------------------------------|---------------------------------------|
| 3.10 @ 830nm                          | Effective Focal Length EFL (mm):      |
| 0.77                                  | Numerical Aperture NA:                |
| D-ZLaF52LA                            | Substrate: □                          |
| ±1                                    | Focal Length Tolerance (%):           |
| 830                                   | Aspheric Design Wavelength (nm):      |
| BBAR (600-1050nm)                     | Coating:                              |
| R <sub>abs</sub> <1.0% @ 600 - 1050nm | Coating Specification:                |
| 40-20                                 | Surface Quality:                      |
| 0.65                                  | f/#:                                  |
| 600 - 1050                            | Wavelength Range (nm):                |
| 1.59                                  | Working Distance (mm):                |
| Infinite                              | Conjugate Distance:                   |
| < 0.50                                | Transmitted Wavefront Error (λ, RMS): |

Environmental & Durability Factors

|      |                             |
|------|-----------------------------|
| ≤200 | Operating Temperature (°C): |
|------|-----------------------------|

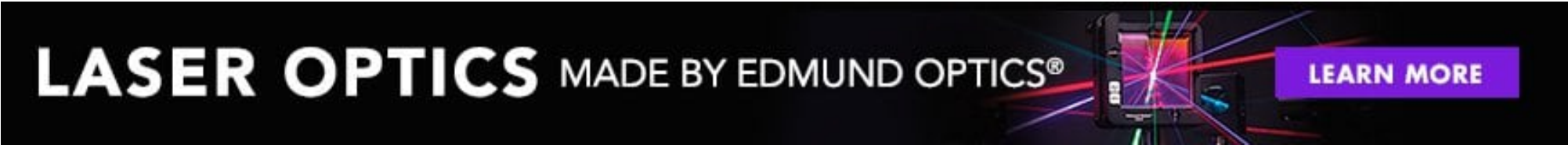
Regulatory Compliance

|           |                             |
|-----------|-----------------------------|
| 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.



Technical Information

