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# LightPath 354560 | 6.33mm Dia., 0.18 NA, BBAR (350-700nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock #83-556 **20+ In Stock**

⊖ 1 ⊕ **S\$119<sup>.00</sup>**

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Volume Pricing	
Qty 1-10	<b>S\$119.00</b> each
Qty 11-49	<b>S\$107.10</b> each
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**General**

354560 **Lightpath Lens Code:**

Aspheric Lens **Type:**

Collimate or Focus Laser Light **Typical Applications:**

**Physical & Mechanical Properties**

6.33 ±0.015	<b>Diameter (mm):</b>
5.10	<b>Clear Aperture CA (mm):</b>
2.28	<b>Edge Thickness ET (mm):</b>
2.77 ±0.05	<b>Center Thickness CT (mm):</b>
Protective as needed	<b>Bevel:</b>

## Optical Properties

13.90 @ 650nm	<b>Effective Focal Length EFL (mm):</b>
0.18	<b>Numerical Aperture NA:</b>
<b>D-ZK3</b>	<b>Substrate:</b> <input type="checkbox"/>
±1	<b>Focal Length Tolerance (%):</b>
650	<b>Aspheric Design Wavelength (nm):</b>
BBAR (350-700nm)	<b>Coating:</b>
R <sub>avg</sub> <0.5% @ 350 - 700nm	<b>Coating Specification:</b>
40-20	<b>Surface Quality:</b>
2.78	<b>f#:</b>
60.88	<b>Abbe Number (v<sub>d</sub>):</b>
1.586	<b>Index of Refraction (n<sub>d</sub>):</b>
350 - 700	<b>Wavelength Range (nm):</b>
12.11	<b>Working Distance (mm):</b>
Infinite	<b>Conjugate Distance:</b>
650.00	<b>Focal Length Specification Wavelength (nm):</b>
< 0.07	<b>Transmitted Wavefront Error (λ, RMS):</b>

## Material Properties

7.6	<b>Coefficient of Thermal Expansion CTE (10<sup>-6</sup>/°C):</b>
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## Environmental & Durability Factors

≤200	<b>Operating Temperature (°C):</b>
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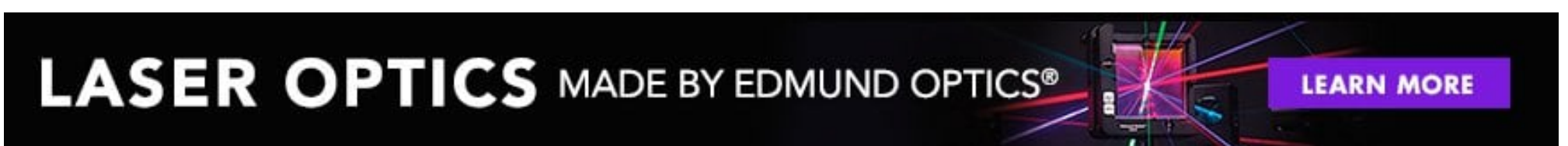
## Regulatory Compliance

<b>Compliant</b>	<b>RoHS 2015:</b>
<b>View</b>	<b>Certificate of Conformance:</b>
<b>Compliant</b>	<b>Reach 247:</b>

## 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



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