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# LightPath 352240 | 9.94mm Dia., 0.50 NA, BBAR (350-700nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#47-144** CLEARANCE **20+ In Stock**

⊖ 1 ⊕ **SS\$51<sup>.73</sup>**

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**General**

352240 **Lightpath Lens Code:**

Aspheric Lens **Type:**

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

**Physical & Mechanical Properties**

9.94 ±0.015 **Diameter (mm):**

8.00	Clear Aperture CA (mm):
1.56	Edge Thickness ET (mm):
3.69 ±0.04	Center Thickness CT (mm):
Protective as needed	Bevel:

## Optical Properties

8.00 @ 780nm	Effective Focal Length EFL (mm):
0.50	Numerical Aperture NA:
<a href="#">ECO-550</a>	Substrate: <input type="checkbox"/>
±1	Focal Length Tolerance (%):
780	Aspheric Design Wavelength (nm):
BBAR (350-700nm)	Coating:
$R_{avg} \leq 0.5\%$ @ 350 - 700nm	Coating Specification:
Diffraction Limited Transmitted Wavefront	Asphere Figure Error ( $\mu\text{m RMS}$ ):
40-20	Surface Quality:
1.00	f#:
50.22	Abbe Number ( $v_d$ ):
1.603	Index of Refraction ( $n_d$ ):
350 - 700	Wavelength Range (nm):
5.92	Working Distance (mm):
Infinite	Conjugate Distance:
780.00	Focal Length Specification Wavelength (nm):
< 0.040	Transmitted Wavefront Error ( $\lambda$ , RMS):

## Material Properties

11.1	Coefficient of Thermal Expansion CTE ( $10^{-6}/^{\circ}\text{C}$ ):
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## Environmental & Durability Factors

≤200	Operating Temperature ( $^{\circ}\text{C}$ ):
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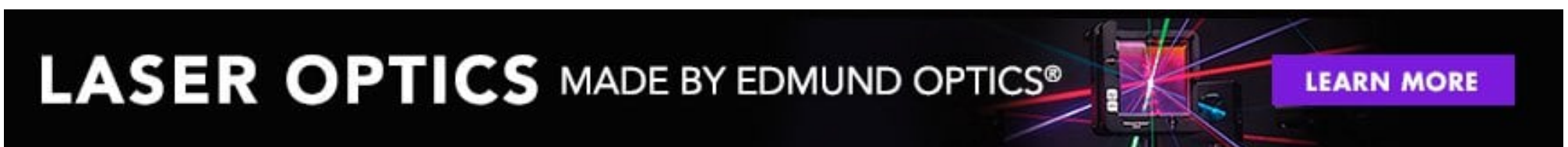
## Regulatory Compliance

<a href="#">Compliant</a>	RoHS 2015:
<a href="#">View</a>	Certificate of Conformance:
<a href="#">Compliant</a>	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



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