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LightPath 354220 | 7.2mm Dia., 0.25 NA, BBAR (600-1050nm), Molded Aspheric Lens

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Precision Molded Aspheric Lenses

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1

+

S\$54^{.60}

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General	
Thickness: 0.25 (t) (mm) Material: BK7	Compatible Window:
354220	Lightpath Lens Code:
Aspheric Lens	Type:
Collimate or Focus Laser Light	Typical Applications:

Physical & Mechanical Properties	
7.20 ±0.020	Diameter (mm):
5.5	Clear Aperture CA (mm):
4.21	Edge Thickness ET (mm):
5.03 ±0.05	Center Thickness CT (mm):
Protective as needed	Bevel:
6.909	Distance from Window to Lens (D) (mm):
Optical Properties	
11.00 @ 633nm	Effective Focal Length EFL (mm):
0.25	Numerical Aperture NA:
D-ZK3	Substrate: □
±1	Focal Length Tolerance (%):
633	Aspheric Design Wavelength (nm):
BBAR (600-1050nm)	Coating:
R _{abs} <1.0% @ 600 - 1050nm	Coating Specification:
40-20	Surface Quality:
2.00	f/#:
60.88	Abbe Number (v _d):
1.586	Index of Refraction (n _d):
600 - 1050	Wavelength Range (nm):
7.9	Working Distance (mm):
Infinite	Conjugate Distance:
633.00	Focal Length Specification Wavelength (nm):
< 0.040	Transmitted Wavefront Error (λ, RMS):
Material Properties	
7.6	Coefficient of Thermal Expansion CTE (10 ⁻⁶ /°C):
Environmental & Durability Factors	
≤200	Operating Temperature (°C):
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	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

