

LightPath 354240 | 9.94mm Dia., 0.50 NA, BBAR (350-700nm), Molded Aspheric Lens

See More by [Lightpath®](#)



Precision Molded Aspheric Lenses

Stock **#37-102** **20+ In Stock**

[Other Coating Options](#)

-

1

+

S\$147^{.86}

ADD TO CART

Volume Pricing	
Qty 1-10	S\$147.86 each
Qty 11-49	S\$129.93 each
Need More?	Request Quote

Product Downloads

SPECIFICATIONS

General

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

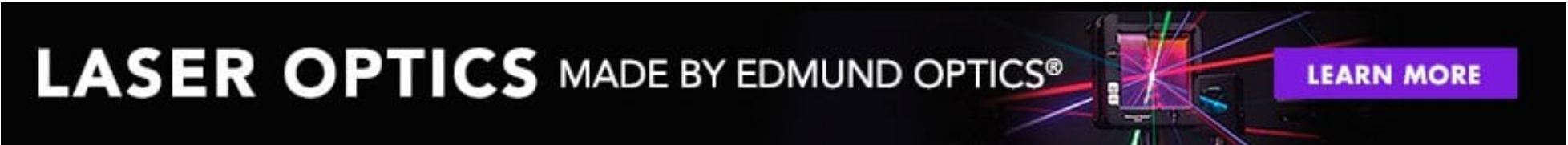
Compatible Window:

354240	Lightpath Lens Code:
Aspheric Lens	Type:
Collimate or Focus Laser Light	Typical Applications:
Physical & Mechanical Properties	
9.94 ±0.015	Diameter (mm):
8	Clear Aperture CA (mm):
1.44	Edge Thickness ET (mm):
3.43 ±0.05	Center Thickness CT (mm):
Protective as needed	Bevel:
4.911	Distance from Window to Lens (D) (mm):
Optical Properties	
8.00 @780nm	Effective Focal Length EFL (mm):
0.5	Numerical Aperture NA:
D-ZK3	Substrate: □
±1	Focal Length Tolerance (%):
780	Aspheric Design Wavelength (nm):
BBAR (350-700nm)	Coating:
R _{avg} ≤0.5% @ 350 - 700nm	Coating Specification:
40-20	Surface Quality:
1.00	f/#:
350 - 700	Wavelength Range (nm):
5.9	Working Distance (mm):
Infinite	Conjugate Distance:
< 0.08	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

