See all 76 Products in Family

LightPath 354525 | 6.65mm Dia., 0.44 NA, BBAR (600-1050nm), Molded Aspheric Lens

See More by Lightpath®

Precision Molded Aspheric Lenses

Stock **#19-702** **20+ In Stock**

- 1 + S$124.60

ADD TO CART

Volume Pricing	
Qty 1-10	**S$124.60** each
Qty 11-49	**S$112.00** each
Need More?	Request Quote

Product Downloads

General

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

Lightpath Lens Code:
354525

Typical Applications:
Collimate or Focus Laser Light

Physical & Mechanical Properties

Diameter (mm):
6.65 ±0.015

Clear Aperture CA (mm):
5.75

Edge Thickness ET (mm):
1.82

Center Thickness CT (mm):
3.02 ±0.03

Bevel:
Protective as needed

Distance from Window to Lens (D) (mm):
4.25

Optical Properties

Effective Focal Length EFL (mm):
6.70 @ 515nm

Numerical Aperture NA:
0.44

Substrate:
D-ZK3

Focal Length Tolerance (%):
±1

Coating:
BBAR (600-1050nm)

Coating Specification:
R_{abs} <1.0% @ 600 - 1050nm

Surface Quality:
60-40

f/#:
1.01

Wavelength Range (nm):
600 - 1050

Working Distance (mm):
4.9

Conjugate Distance:
Infinite

Transmitted Wavefront Error (λ, RMS):
<0.05

Environmental & Durability Factors

Operating Temperature (°C):
≤200

Regulatory Compliance

RoHS 2015:
Compliant

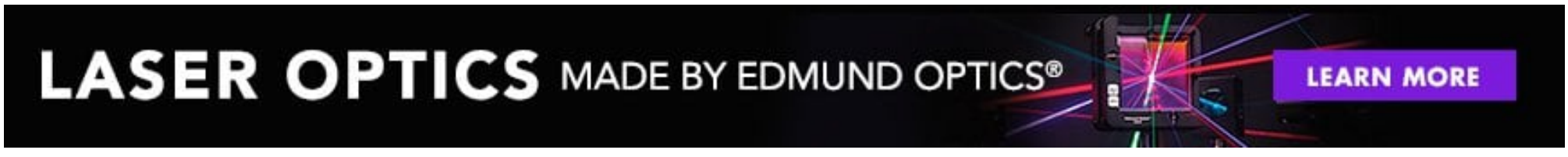
Certificate of Conformance:
View

Reach 247:
Compliant

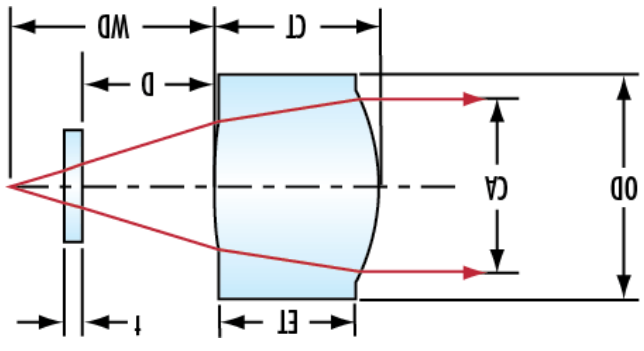
Product Details

- 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


WD
CT
D
CA
OD
ET
t