

LightPath 355485 | 1 x 1mm, 0.50 NA, BBAR (1050-1600nm), Molded Aspheric Lens

See More by [Lightpath®](#)



Stock **#37-114** 20+ In Stock

-

1

+

£71^{.20}

ADD TO CART

Volume Pricing	
Qty 1-10	£71.20 each
Qty 11-49	£64.00 each
Need More?	Request Quote

!

 Prices shown are exclusive of VAT/local taxes

Product Downloads

General	
355485	Lightpath Lens Code:
Aspheric Lens	Type:
Finite Conjugate for Magnification	Typical Applications:
NA, Image (mm): 0.10	Note:

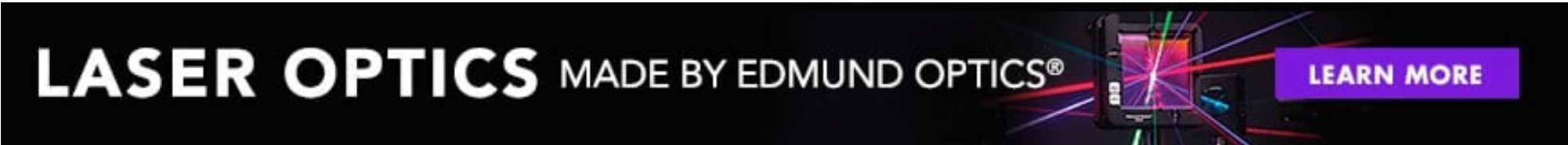
WD, Image (mm): 3.03
WD, Object (mm): 0.3

Physical & Mechanical Properties	
1.0 x 1.0 ±0.015	Dimensions (mm):
0.35	Clear Aperture CA (mm):
0.51	Edge Thickness ET (mm):
0.66 ±0.05	Center Thickness CT (mm):
Protective as needed	Bevel:
Optical Properties	
0.55 @ 1550nm	Effective Focal Length EFL (mm):
0.5	Numerical Aperture NA:
D-ZLaF52LA	Substrate: 
±1	Focal Length Tolerance (%):
1550	Aspheric Design Wavelength (nm):
BBAR (1050-1600nm)	Coating:
R _{abs} <1.0% @ 1050 - 1600nm	Coating Specification:
40-20	Surface Quality:
1.00	f/#:
1050 - 1600	Wavelength Range (nm):
0.3	Working Distance (mm):
Finite	Conjugate Distance:
< 0.04	Transmitted Wavefront Error (λ, RMS):
Environmental & Durability Factors	
≤200	Operating Temperature (°C):
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

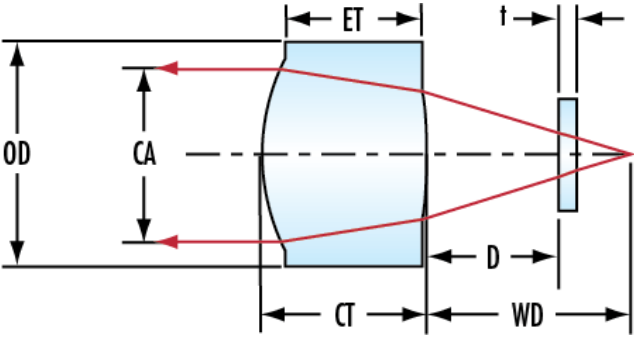
Product Details

- 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



;