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LightPath 354996 | 3mm Dia., 0.30 NA, BBAR (350-700nm), Molded Aspheric Lens

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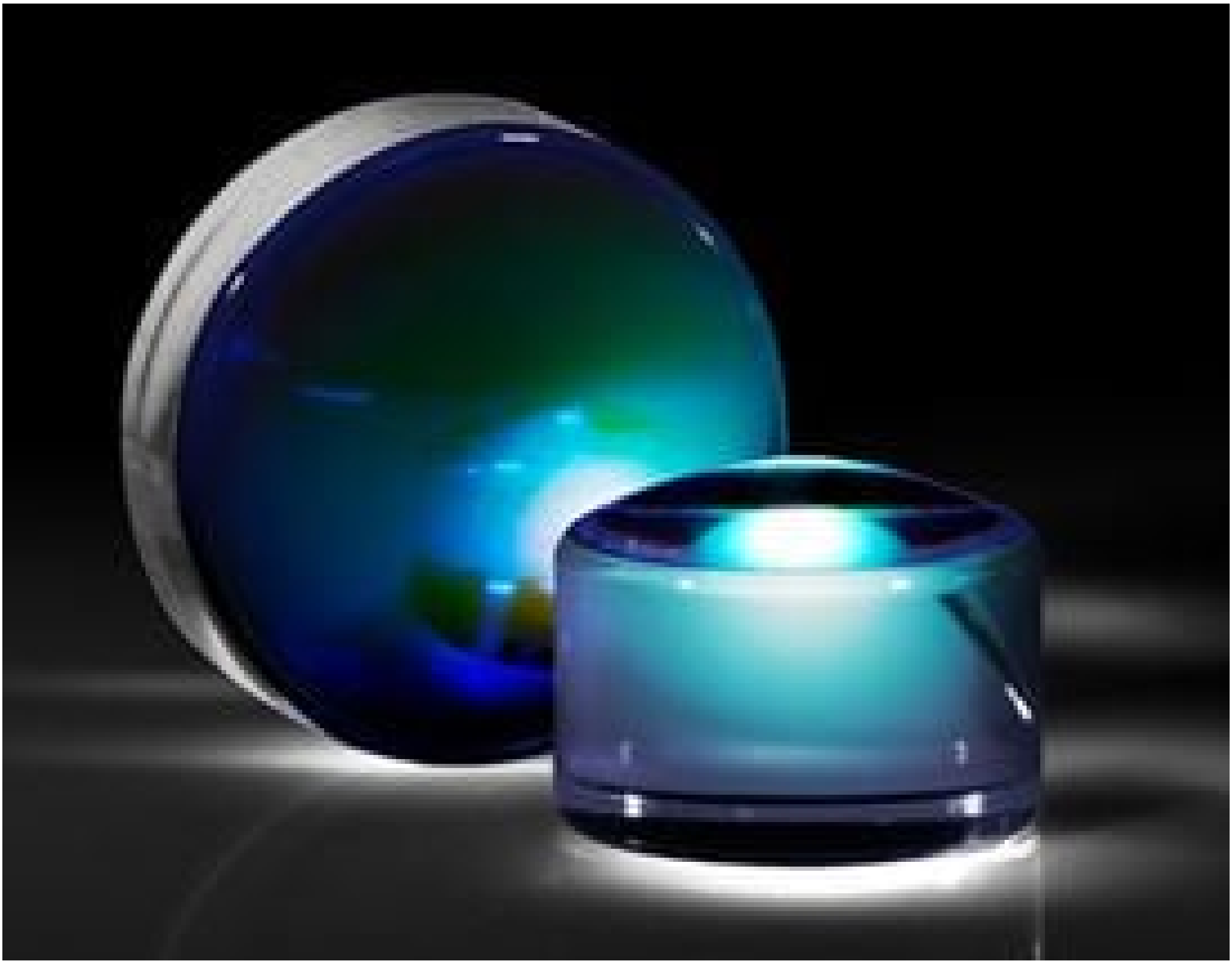

Stock **#83-713** **20+ In Stock**

Other Coating Options

- 1 + A$136.00

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Volume Pricing	
Qty 1-10	**A$136.00** each
Qty 11-49	**A$122.40** each
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Product Downloads

General

Lightpath Lens Code:
354996

Type:
Aspheric Lens

Physical & Mechanical Properties

Diameter (mm):
3.00 ±0.015

Clear Aperture CA (mm):
2.70

Edge Thickness ET (mm):
1.33

Center Thickness CT (mm):
1.78 ±0.05

Bevel:
Protective as needed

Optical Properties

Effective Focal Length EFL (mm):
4.50 @ 633nm

Numerical Aperture NA:
0.30

Substrate:
D-ZK3

Focal Length Tolerance (%):
±1

Aspheric Design Wavelength (nm):
633

Coating:
BBAR (350-700nm)

Coating Specification:
R_{avg} ≤0.5% @ 350 - 700nm

Surface Quality:
60-40

f/#:
1.67

Abbe Number (v_d):
61.16

Index of Refraction (n_d):
1.589

Wavelength Range (nm):
350 - 700

Working Distance (mm):
3.500

Conjugate Distance:
Infinite

Focal Length Specification Wavelength (nm):
633.00

Transmitted Wavefront Error (λ, RMS):
< 0.070

Material Properties

Coefficient of Thermal Expansion CTE (10^{-6}/°C):
7.6

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 247:
Compliant

Product Details

- Compact, Molded Aspheric Lens Design
- Improved Performance Compared to Doublet and Triplet Lenses
- Ideal for Laser Tools and Measurement Systems

LightPath® Laser Tool Molded Aspheric Lenses are designed to fulfill the needs of a variety of tools and measurement systems utilizing laser diodes, including leveling lasers, projectors, scanners, trackers, and gun sights. By utilizing a single aspheric lens, the need for a multi-lens system is eliminated, allowing for a more compact and robust design. Each aspheric lens is offered with various anti-reflection coatings for optimum transmission in the visible and NIR wavelength ranges. LightPath® Laser Tool Molded Aspheric Lenses' anti-reflection coating options for each lens provides <1% average reflection over the entire design wavelength range. The lenses are offered in four different diameters: 3mm, 4.70mm, 6mm, and 6.33mm.

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