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

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Precision Molded Aspheric Lenses

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

⊖ 1 ⊕ €89.⁰⁰

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Volume Pricing	
Qty 1-10	€89,00 each
Qty 11-49	€80,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

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

6.65 ±0.015	Diameter (mm):
5.75	Clear Aperture CA (mm):
1.82	Edge Thickness ET (mm):
3.02 ±0.03	Center Thickness CT (mm):
Protective as needed	Bevel:
4.25	Distance from Window to Lens (D) (mm):

Optical Properties

6.70 @ 515nm	Effective Focal Length EFL (mm):
0.44	Numerical Aperture NA:
D-ZK3	Substrate: <input type="checkbox"/>
±1	Focal Length Tolerance (%):
BBAR (600-1050nm)	Coating:
$R_{\text{abs}} < 1.0\%$ @ 600 - 1050nm	Coating Specification:
60-40	Surface Quality:
1.01	f#:
600 - 1050	Wavelength Range (nm):
4.9	Working Distance (mm):
Infinite	Conjugate Distance:
<0.05	Transmitted Wavefront Error (λ , RMS):

Environmental & Durability Factors

≤200	Operating Temperature (°C):
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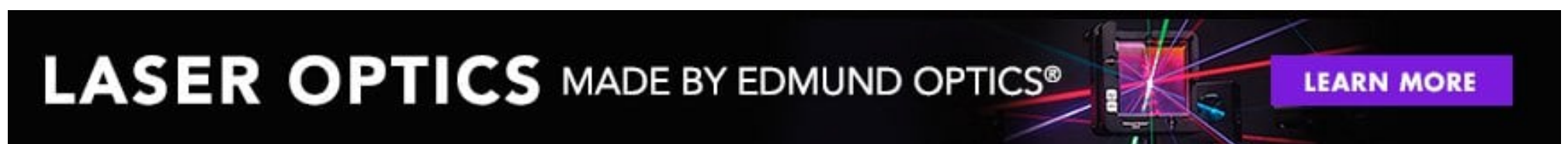
Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

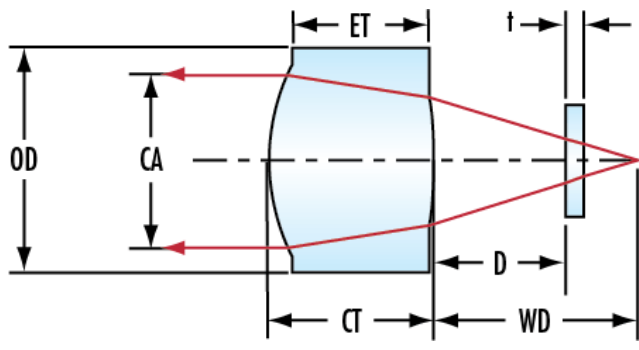
Product Details

- 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



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