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0.25 NA 11.0mm FL VIS AR Coated, Molded Aspheric Lens

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Precision Molded Aspheric Lenses

Stock **#47-142** **20+ In Stock**

- 1 + S$166.60

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Volume Pricing	
Qty 1-10	**S$166.60** each
Qty 11-49	**S$149.80** each
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Product Downloads

General

Lightpath Lens Code:
352220

Type:
Aspheric Lens

Typical Applications:
Collimate or Focus Laser Light

Note:
May be available in limited quantities, or require a minimum purchase quantity. Contact us for more

information

Physical & Mechanical Properties

Diameter (mm):
7.20 ±0.015

Clear Aperture CA (mm):
5.50

Edge Thickness ET (mm):
4.210

Center Thickness CT (mm):
5.00

Optical Properties

Effective Focal Length EFL (mm):
11.00 @ 633nm

Numerical Aperture NA:
0.25

Substrate:
ECO-550

Focal Length Tolerance (%):
±1

Aspheric Design Wavelength (nm):
633

Coating:
VIS

Coating Specification:
R_{avg} <0.6% @ 350 - 700nm

Asphere Figure Error (µm RMS):
Diffraction Limited Transmitted Wavefront

Surface Quality:
40-20

f/#:
2.00

Abbe Number (v_d):
50.22

Index of Refraction (n_d):
1.603

Working Distance (mm):
7.920

Focal Length Specification Wavelength (nm):
633.00

Environmental & Durability Factors

Operating Temperature (°C):
≤200

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

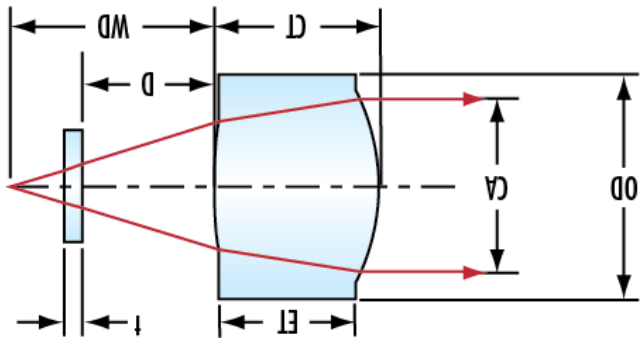
Reach 233:
Compliant

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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