0.42 NA, 6.5mm FL, RPO IR Molded Glass Aspheric Lens

Stock **#73-679** NEW **20+ In Stock**

- 1 + **€135**.00

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SPECIFICATIONS

General

Type:

Aspheric Lens

Physical & Mechanical Properties

Diameter (mm):

7.20 ±0.025

Clear Aperture CA (mm):
3.33

Center Thickness CT (mm):
4.47

Bevel:
Protective as needed

Optical Properties

Effective Focal Length EFL (mm):
6.50

Numerical Aperture NA:
0.42

Substrate:
IG6

Coating:
BBAR (800-1200)

Coating Specification:
R_{avg} <1% @ 800 - 1200, 0 - 30° AOI

Surface Quality:
80-60

f/#:
0.9

Wavelength Range (nm):
800 - 1200

Working Distance (mm):
4.72

Regulatory Compliance

Certificate of Conformance:
View

PRODUCT DETAILS

- Precision Infrared Glass Molded Lenses
- Ideal for High Volume Production Requirements
- Constructed with IG6 Infrared Glass Substrates

Rochester Precision Optics (RPO) Infrared Molded Glass Aspheric Lenses offer several key benefits, including high precision, >99% transmission, and improved performance by reducing optical aberrations, leading to smaller spot sizes and sharper images. Cost-effective molding processes enable options for high-quantity OEM integration while maintaining consistent specifications. Rochester Precision Optics (RPO) Infrared Molded Glass Aspheric Lenses are available with 4.00 and 6.50mm focal lengths and are AR coated for >99% transmission from 800 - 1200nm. Their lightweight form factor, small diameter, and reduced thickness allow these molded aspheric lenses to be integrated into cameras, aerospace systems, measurement systems, biomedical instrumentation, and handheld optical tools.

Note: Use of this substrate at elevated temperatures (>150C) or in the presence of some acids/bases can lead to formation of toxic compounds and should be avoided. Please see MSDS for details.

SPECIAL HANDLING

These optics require special handling to avoid damage and ensure long-term performance. Proper handling, cleaning, and storage are essential to maintain optical quality.
Explore our **Optics Cleaning Resources** for step-by-step guides and best practices. For personalized assistance, **Email us** or **Chat** with our technical support team.

Component Handling Tools