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



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1

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A\$216^{.00}

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General

Aspheric Lens

Type:

Physical & Mechanical Properties

7.20 ±0.025

Diameter (mm):

3.33

Clear Aperture CA (mm):

4.47

Center Thickness CT (mm):

Bevel:

Protective as needed	
Optical Properties	
6.50	Effective Focal Length EFL (mm):
0.42	Numerical Aperture NA:
IG6	Substrate: ☐
BBAR (800-1200)	Coating:
R _{avg} <1% @ 800 - 1200, 0 - 30° AOI	Coating Specification:
80-60	Surface Quality:
0.9	f/#:
800 - 1200	Wavelength Range (nm):
4.72	Working Distance (mm):
Regulatory Compliance	
View	Certificate of Conformance:

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