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



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

-

1

+

€135<sup>.00</sup>

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**i** Prices shown are exclusive of VAT/local taxes

Product Downloads

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):

|                                                |                                     |
|------------------------------------------------|-------------------------------------|
| Protective as needed                           | Bevel:                              |
| Optical Properties                             |                                     |
| 6.50                                           | Effective Focal Length EFL (mm):    |
| 0.42                                           | Numerical Aperture NA:              |
| IG6                                            | Substrate: <input type="checkbox"/> |
| BBAR (800-1200)                                | Coating:                            |
| R <sub>avg</sub> <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                          |                                     |
| <a href="#">View</a>                           | 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