

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



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

-

1

+

S\$186^{.69}

ADD TO CART

Volume Pricing	
Qty 1+	S\$186.69 each
Need More?	Request Quote

Product Downloads

SPECIFICATIONS

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: ☐
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