

1.6mm CA, NIR Coated, A-PE-16F1-31 Corning® Varioptic® Variable Focus Liquid Lens, Packaged A-PE-Series - 6 pins FPC with Thermistor with electronics



Stock #91-591 **NEW** [CONTACT US](#)

⊖ 1 ⊕ £316⁰⁰

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Volume Pricing

Qty 1-10	£316.00 each
Qty 11-25	£237.00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Packaged Lens w/Electronics

Contents of Kit:
1.6mm CA Packaged with electronics and FPC-A-31,
20 diopters dynamic (NIR)

Model Number:
A-PE-16F1-31

Physical & Mechanical Properties

Diameter (mm):
7.00

Clear Aperture CA (mm):
1.6

Thickness (mm):
3.00 (packaged lens)

Optical Properties

Coating:
NIR

Focus Range (mm):
-5 to +15 diopter

Transmission (%):
97 @ 850nm

Transmitted Wavefront Error, RMS:
20nm

Environmental & Durability Factors

Operating Temperature (°C):
-20 to +60

Storage Temperature (°C):
-40 to +85

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

Product Details

- Combines a Liquid Lens with a Dedicated, Calibrated Driver Board
- Temperature Compensation and Response Time Optimization Features
- [Development Kits](#) Available for Easy Integration

Corning® Varioptic® A-PE Series Liquid Lenses feature a variable focus liquid lens with a dedicated, calibrated driver board for enhanced performance. The driver board enables advanced features, including temperature compensation algorithms, response time optimization for optical power changes, and sweep mode, which acquires clear images while the liquid lens is still in motion. Corning® Varioptic® A-PE Series Variable Focus Liquid Lenses are ideal for use in barcode readers, industrial inspection, medical imaging, and biometrics applications, and are fully compatible with the [AF Explorer Camera](#) for plug-and-play operation. Control Software is included only with [development kits](#) and not with individually packaged lenses.

Please Note: Control software is only included with [evaluation kits](#). If you are purchasing this product for the first time, please purchase an evaluation kit instead to ensure you have access to this software.