

## 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 ⊕ **S\$553<sup>00</sup>**

**ADD TO CART**

### Volume Pricing

Qty 1-10	<b>S\$553.00</b> each
Qty 11-25	<b>S\$414.75</b> each
Need More?	<a href="#">Request Quote</a>

### Product Downloads

### General

Packaged Lens w/Electronics **Type:**

**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.