

Variable Focus Lenses (A-Series)

Corning® Varioptic® Lenses enable variable focus functionality when designed into imaging or beam shaping lenses. They offer a high degree of design freedom for mechanical, electrical, and optical integration.

A-16F



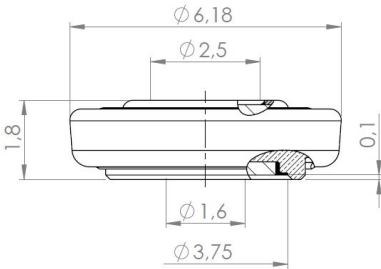
The latest and smallest member of the A-Series family, and the smallest lens currently available. It is specifically designed for ultra-compact cameras, such as barcode engines, industrial

Key Features:

- 6.2 mm outer diameter
- 1.85 mm thickness
- 1.6 mm clear aperture
- Excellent optical quality and fast response time
- Focus range from 5 cm to ∞
- Easy to integrate

Ordering Information:

- A-16F0: with an anti-reflective coating optimized in the visible range
- A-16F1: with an anti-reflective coating optimized in the near infrared
- A-16F9: with no anti-reflective coating



Specifications:

Typical performance at 25°C

Useful aperture at 0° field of view	1.6 mm
Low optical power	-5 diopters (m ⁻¹)
High optical power	+15 diopters (m ⁻¹)
Wave Front Error on 1.6mm aperture	20 nm (rms)
Transmission at 587nm (or 850nm for F1)	97%
Storage temperature	from -40 to 85°C
Operating temperature	from -20 to 60°C