

12mm Dia. x 8.5mm FL, Aspheric Condenser Lens, VIS-EXT



Stock **#72-493** **3 In Stock**

☐ [Other Coating Options](#)

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1

+

S\$79^{.80}

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Volume Pricing	
Qty 1-10	S\$79.80 each
Qty 11-49	S\$71.40 each
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General

	Type:
Condenser Lens	

Physical & Mechanical Properties

	Diameter (mm):
12.00 +0.0/-0.2	
	Centering (arcmin):
≤30	

	Clear Aperture CA (mm):
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10.80	
1.77	Edge Thickness ET (mm):
5.50 ±0.30	Center Thickness CT (mm):
Protective as needed	Bevel:
12.00	Diameter of Asphere (mm):
Aspheric	Shape of Back Surface:
Optical Properties	
8.50	Effective Focal Length EFL (mm):
0.70	Numerical Aperture NA:
5.85	Back Focal Length BFL (mm):
H-K51	Substrate: ☐
±8	Focal Length Tolerance (%):
VIS-EXT (350-700nm)	Coating:
R _{avg} <0.5% @ 350 - 700nm	Coating Specification:
80-50 (typical)	Surface Quality:
0.71	f/#:
-12.00	Radius R ₂ (mm):
350 - 700	Wavelength Range (nm):
Infinite	Conjugate Distance:
Regulatory Compliance	
View	Certificate of Conformance:

Product Details

- Molded Illumination Lenses
- Aspheric or Spherical Designs
- High Numerical Apertures

Condenser Lenses are molded lenses designed for illumination applications. Featuring large apertures and short focal lengths, Condenser Lenses are commonly used in emitter-detector applications, projection applications, or condensing illumination applications such as Koehler Illumination. The Aspheric Condenser Lenses are molded on the aspheric surface and ground and polished on the opposite face, offering superior performance. The Plano-Convex (PCX) Condenser Lenses are molded on both surfaces, offering excellent value.

Technical Information



