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50mm Diameter x 35.7mm FL, MgF₂ Coated, Aspheric Condenser Lens



Stock **#15-540** **13 In Stock**
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1

+

A\$140^{.80}

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Volume Pricing	
Qty 1-10	A\$140.80 each
Qty 11-49	A\$123.20 each
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General

Condenser Lens

Type:

Physical & Mechanical Properties

50.00 +0.0/-0.3

Diameter (mm):

≤25

Centering (arcmin):

Clear Aperture CA (mm):

45	
	Edge Thickness ET (mm):
2.0	
	Center Thickness CT (mm):
16.70 ±0.25	
	Bevel:
Protective as needed	
	Diameter of Asphere (mm):
47.0	
	Shape of Back Surface:
Plano	

Optical Properties	
	Effective Focal Length EFL (mm):
35.70	
	Numerical Aperture NA:
0.64	
	Back Focal Length BFL (mm):
24.7	
	Substrate: ☐
B270	
	Focal Length Tolerance (%):
±7	
	Coating:
MgF ₂ (400-700nm)	
	Coating Specification:
R _{avg} ≤ 1.75% @400 - 700nm	
	Surface Quality:
80-50 (typical)	
	f/#:
0.8	
	Radius R ₂ (mm):
Plano	
	Wavelength Range (nm):
400 - 700	
	Conjugate Distance:
Infinite	

Regulatory Compliance	
	RoHS 2015:
Compliant	
	Certificate of Conformance:
View	
	Reach 235:
Compliant	

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





Coating Curves

Compatible Mounts