

[See all 102 Products in Family](#)

10mm Dia. x 4.5mm FL, MgF₂ Coated, Aspheric Condenser Lens



Stock **#23-811** 20+ In Stock

☐ [Other Coating Options](#)

-

1

+

S\$81⁻²⁰

ADD TO CART

Volume Pricing	
Qty 1-10	S\$81.20 each
Qty 11-49	S\$72.80 each
Need More?	Request Quote

Product Downloads

General

Condenser Lens

Type:

Physical & Mechanical Properties

10.00 +0.0/-0.2

Diameter (mm):

≤30

Centering (arcmin):

Clear Aperture CA (mm):

9.00	
1.87	Edge Thickness ET (mm):
6.00 ±0.30	Center Thickness CT (mm):
Protective as needed	Bevel:
10.00	Diameter of Asphere (mm):
Aspheric	Shape of Back Surface:

Optical Properties	
4.50	Effective Focal Length EFL (mm):
0.74	Numerical Aperture NA:
1.65	Back Focal Length BFL (mm):
H-K51	Substrate: ☐
±8	Focal Length Tolerance (%):
MgF ₂ (400-700nm)	Coating:
R _{avg} ≤ 1.75% @400 - 700nm	Coating Specification:
80-50 (typical)	Surface Quality:
0.45	f/#:
-3.239	Radius R ₂ (mm):
400 - 700	Wavelength Range (nm):
Infinite	Conjugate Distance:

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

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

;