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20mm Dia. x 11.1mm FL, MgF₂ Molded Aspheric Condenser Lens



Molded Aspheric Condenser Lenses

Stock **#35-052** **20+ In Stock**

[Other Coating Options](#)

⊖ 1 ⊕ ₹3,970

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Volume Pricing

Qty 1-10	₹3,970 each
Qty 11-49	₹3,503 each
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General

Condenser Lens **Type:**

Note:
[Click here](#) for more information on the ISO 10110 surface quality specification.

Physical & Mechanical Properties

20.00 +/-0.3 **Diameter (mm):**

≤30	Centering (arcmin):
16.00	Clear Aperture CA (mm):
2.5±0.3	Edge Thickness ET (mm):
10.90 (nominal)	Center Thickness CT (mm):
Protective as needed	Bevel:
19.8	Diameter of Asphere (mm):
Convex	Shape of Back Surface:

Optical Properties

11.10 @587.6nm	Effective Focal Length EFL (mm):
0.89	Numerical Aperture NA:
4.90	Back Focal Length BFL (mm):
Liba2000+	Substrate: □
±7	Focal Length Tolerance (%):
MgF ₂ (400-700nm)	Coating:
R _{avg} ≤ 1.75% @ 400 - 700nm	Coating Specification:
5/3 x 0.4; E 0.2	Surface Quality:
0.56	f/#:
17.7	Radius R₂ (mm):
400 - 700	Wavelength Range (nm):
Infinite	Conjugate Distance:

Regulatory Compliance

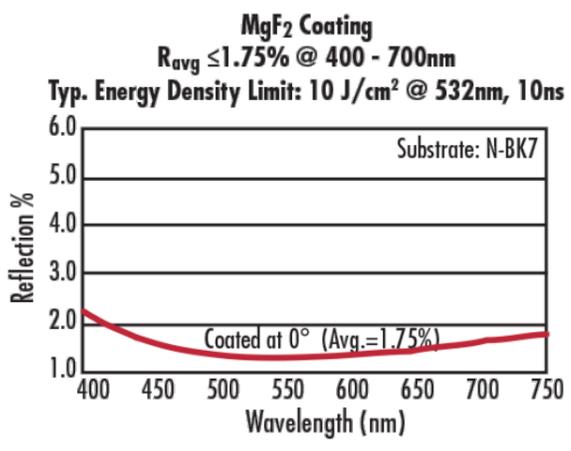
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:
Germany	Country of Origin:
Edmund Optics India Private Limited	Imported By:

Product Details

- Hardened for Improved Durability
- High Numerical Apertures
- Ideal for Illumination Applications

Molded Aspheric Condenser Lenses are pressed, hardened, and annealed to meet precise optical and mechanical specifications. The hardening process improves the durability of the lenses, making them less susceptible to thermal shock and scratching than traditionally polished lenses. These Molded Aspheric Condenser Lenses are ground and polished on the second surface, enhancing the overall precision of the lenses. Molded Aspheric Condenser lenses are ideal for a wide range of illumination and detection applications, including biotech instruments such as DNA sequencers and polymerase chain reaction (PCR) testing platforms.

Technical Information



Coating Curves

Compatible Mounts
