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26mm Dia. x 19.5mm FL, VIS-EXT Coated Molded Aspheric Condenser Lens



Molded Aspheric Condenser Lenses

Stock #71-498 **8 In Stock**

[Other Coating Options](#)

1 MRP ₹7,213

Price inclusive of all taxes

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Volume Pricing	
Qty 1-10	₹7,213 each
Qty 11-49	₹6,558 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

Diameter (mm):

26.00 +0.0/-0.3

Centering (arcmin):
≤25

Clear Aperture CA (mm):
20.80

Edge Thickness ET (mm):
1.4

Center Thickness CT (mm):
9.10 ±0.20

Bevel:
Protective as needed

Diameter of Asphere (mm):
26.0

Shape of Back Surface:
Convex

Optical Properties

Effective Focal Length EFL (mm):
19.50 @587.6nm

Numerical Aperture NA:
0.67

Back Focal Length BFL (mm):
14.60

Substrate:
[Liba2000+](#)

Focal Length Tolerance (%):
±5

Coating:
VIS-EXT (350-700nm)

Coating Specification:
R_{avg} ≤0.4% @425 - 675nm

Surface Quality:
Molded Side: 5/3 x0.4; E 0.2
Polished Side: 5/3 x0.25; E 0.2

f#:
0.75

Radius R₂ (mm):
42.0

Wavelength Range (nm):
350 - 700

Conjugate Distance:
Infinite

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

Reach 242:
[Compliant](#)

Country of Origin:
Germany

Imported By:
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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

MgF₂ Coating

R_{avg} ≤ 1.75% @ 400 - 700nm

Typ. Energy Density Limit: 10 J/cm² @ 532nm, 10ns

