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500µm Aperture Diameter, Chrome on Glass Aperture



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Physical & Mechanical Properties

Outer Diameter (mm):
25.4

Fixed Aperture Diameter (µm):
500 ± 5.0

Thickness (inches):
0.06 ± 0.004

Thickness (mm):
1.52

Thickness Tolerance (mm):
±0.1

Optical Properties

Low Reflective Chrome

Coating:

Regulatory Compliance

[View](#)

Certificate of Conformance:

Product Details

- Chrome Coating on Glass Substrate
- Ideal for Precise Beam Control, Modulation, or Optical Alignment
- Pinhole Diameters Ranging from 10 μ m to 1,000 μ m

Chrome Coated Glass Optical Apertures are composed of soda lime float glass with low reflective chrome coating for high-contrast performance. These apertures are designed with pinhole diameters ranging from 10 μ m to 1000 μ m. The apertures have an overall diameter of 25.4mm (1") and a thickness of 1.52mm, ensuring easy integration with a wide variety of optical mounts. Chrome coating on glass provides a stable and circular aperture diameter immune to bending or creasing. Chrome Coated Glass Optical Apertures are designed to provide high-precision light control, ideal for beam shaping, spatial filtering, and alignment in advanced photonic systems.