

Plano-Convex Optical Lens

This plano-convex lens is designed with one flat surface and one convex surface. It is suitable for use in imaging systems, telescopes, collimators, and condensers.



ADDITIONAL IMAGES



Overview

Precision Plano-Convex Lens

These high-quality plano-convex lenses are designed for a wide range of optical applications, featuring a flat surface on one side and a convex surface on the other. They provide positive focal length and excellent light-gathering capabilities, making them ideal for focusing, collimating, and magnifying light. Manufactured from precision optical glass or fused silica, these lenses ensure minimal distortion and optimal performance for imaging systems, telescopes, and condensers.

Material & Construction

Material	Grade A optical glass or Fused Silica
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Optical Performance

Clear Aperture	>85% of diameter
Paraxial Focal Length Tolerance	+/-2%
Centration	3 arc minutes

Surface Quality

Surface Figure	$\lambda/4$ at 632.8nm
Surface Quality (S/D)	60-40

Mechanical Specifications

Diameter Tolerance (Standard)	+0.0, -0.15mm
Diameter Tolerance (Precision)	+0.0, -0.02mm
Bevel	0.25x45deg

Applications

Ideal Applications

Imaging Systems, Beam Focusing, Light Collimation, Telescopes, Condensers