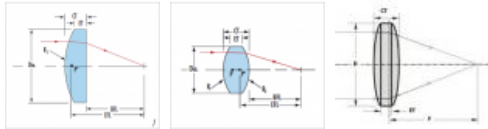
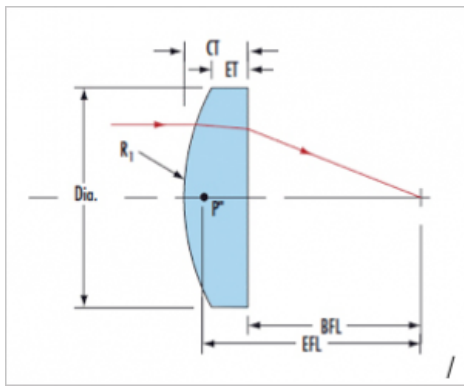



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Plano Convex & Biconvex Lens



Overview

Plano-Convex Lens

PCX Lenses have a positive focal length, making them ideal for collecting and focusing light in imaging applications. They are also useful in a variety of applications involving emitters, detectors, lasers, and fiber optics. Coated versions have optimum light transmission. We can supply PCX in a wide variety of diameters and focal lengths.

These lenses are available with a variety of anti-reflection coating options including: VIS-NIR, MgF2

Plano-Convex (PCX) Lenses (Silicon): Silicon is a popular NIR material for the 1.2 to 7 μ m region due to its low cost and low density. Because of its low density (half that of Germanium or Zinc Selenide), Silicon is ideal for weight-sensitive applications, especially those in the 3-5 μ m region. Density is 2.33 g/cm³ and Knoop Hardness is 1150, making it harder and less brittle than Germanium.



Bi-Convex Lens (BCX)

Bi-Convex (BCX) Lenses have two outward curved surfaces, a positive focal length and are useful for 1:1 imaging and in multi-element systems.

These lenses are available uncoated or with other Anti-Reflection coating options including: VIS-NIR, MgF2,

A convex lens magnifies objects, thus, there are various uses for convex lenses besides vision correction, magnifying glasses, contact lenses and eyeglasses. T also have wide application in the field of imaging and remote sensing.

Lenses





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