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## 12mm Dia. x 48mm FL, Commercial Grade, Plano-Convex Lens



Stock #23-075 CLEARANCE **20+ In Stock**

[Other Coating Options](#)

1  **CS28<sup>.70</sup>**

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| Qty 1+         | <b>CS\$28.70</b> each         |
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### Product Downloads

#### General

Plano-Convex Lens **Type:**

#### Physical & Mechanical Properties

12.00 +0.00/-0.10 **Diameter (mm):**

6.00 **Centering (arcmin):**

1.26 **Edge Thickness ET (mm):**

Clear Aperture CA (mm):  
≥10.2

## Optical Properties

Effective Focal Length EFL (mm):  
48.00

Back Focal Length BFL (mm):  
46.69

Coating:  
MgF<sub>2</sub> (400-700nm)

Coating Specification:  
R<sub>avg</sub> ≤ 1.75% @ 400 - 700nm

Substrate:   
N-BK7

Focal Length Tolerance (%):  
±1

Radius R<sub>1</sub> (mm):  
24.81

f#:  
4.00

Numerical Aperture NA:  
0.13

## Regulatory Compliance

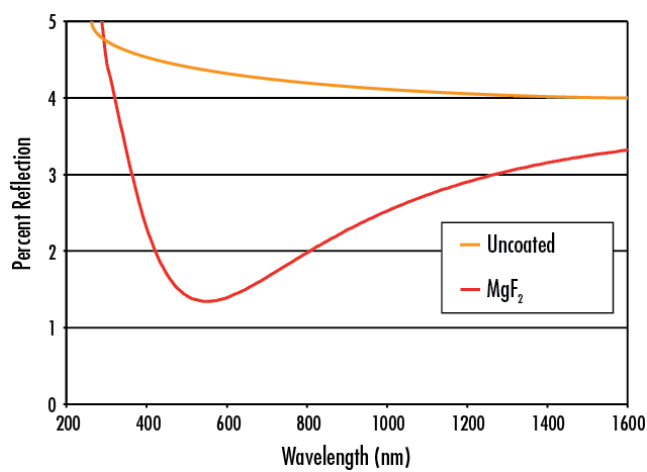
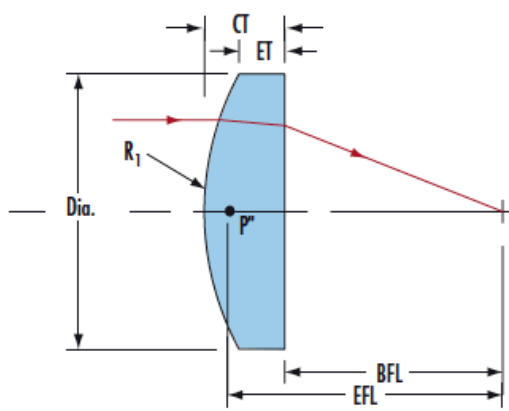
Certificate of Conformance:  
[View](#)

## Product Details

- Feature Standard Designs and Specifications
- Also Available [Uncoated](#)
- For More Options, View [Precision Quality Plano-Convex \(PCX\) Lenses](#)

Plano convex lenses (PCX) have one flat and one outward curving face and a positive focal length. They are 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. MgF<sub>2</sub> anti-reflection coating offers improved transmission in the visible spectrum. Commercial Grade MgF<sub>2</sub> Coated Plano-Convex (PCX) Lenses offer commercial quality, at an affordable price.

## Technical Information



## Coating Curves