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**TECHSPEC® 11.2mm CA, 20mm FL, Mounted MgF<sub>2</sub> Coated Plano-Convex Lens**



Mounted MgF<sub>2</sub> Coated Plano-Convex (PCX) Lenses



Stock #12-916 CLEARANCE CONTACT US

⊖ 1 ⊕ €47<sup>50</sup>

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Volume Pricing	
Qty 1+	€47,50 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

**General**

Plano-Convex Lens Type:

#49-887 Lens Included:

**Physical & Mechanical Properties**

Bevel:

Protective as needed

11.2 Clear Aperture CA (mm):

1.58 Edge Thickness ET (mm):

5.6 Extension Length (mm):

9.6 Total Length (mm):

## Optical Properties

20.00 Effective Focal Length EFL (mm):

[N-BK7](#) Substrate: □

1.67 f#:

0.30 Numerical Aperture NA:

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

400 - 700 Wavelength Range (nm):

17.69 Back Focal Length BFL from Housing (mm):

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

587.6 Focal Length Specification Wavelength (nm):

±1 Focal Length Tolerance (%):

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

40-20 Surface Quality:

1.5λ Power (P-V) @ 632.8nm:

λ/4 Irregularity (P-V) @ 632.8nm:

## Threading & Mounting

[#54-615](#) Mount Included:

30.0 Mount Diameter (mm):

C-Mount Thread Type:

## Regulatory Compliance

[View](#) Certificate of Conformance:

## Product Details

- Pre-Mounted PCXLenses in Engraved C-Mount Housings
- Simplify Integration into Optical Systems
- AR Coated for <1.75% Reflectance per Surface for 400 - 700nm
- Also Available [Unmounted](#)

TECHSPEC® Mounted MgF<sub>2</sub> Coated Plano-Convex (PCX) Lenses feature our TECHSPEC MgF<sub>2</sub> Coated Plano-Convex (PCX) Lenses pre-mounted in C-Mount housings to simplify their integration into optical systems. Each housing is engraved with the focal length of the lens as well as the stock number for ease of identification. TECHSPEC Mounted MgF<sub>2</sub> Coated PCXLenses are coated with a MgF<sub>2</sub> antireflection coating to provide <1.75% reflectance per surface at visible wavelengths

## Coating Curves

## Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries

- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

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