

TECHSPEC® 11.2mm CA, 20mm FL, Mounted MgF₂ Coated Plano-Convex Lens



Mounted MgF₂ Coated Plano-Convex (PCX) Lenses



Stock #12-916 CLEARANCE CONTACT US

⊖ 1 ⊕ £38.⁰⁰

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Volume Pricing	
Qty 1+	£38.00 each
Need More?	Request Quote

ⓘ 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:

MgF₂ (400-700nm) Coating:

400 - 700 Wavelength Range (nm):

17.69 Back Focal Length BFL from Housing (mm):

R_{avg} ≤ 1.75% @ 400 - 700nm Coating Specification:

587.6 Focal Length Specification Wavelength (nm):

±1 Focal Length Tolerance (%):

10.34 Radius R₁ (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:

Need different specs or modifications?

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](#).

Product Details

- Pre-Mounted PCX Lenses 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 MgF₂ Coated Plano-Convex (PCX) Lenses feature our TECHSPEC MgF₂ 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 MgF₂ Coated PCX Lenses are coated with a MgF₂ antireflection coating to provide <1.75% reflectance per surface at visible wavelengths

Coating Curves
