

TECHSPEC® 25mm Dia. x 50mm FL, Uncoated, Si Plano-Convex Lens



Stock #69-677 20+ In Stock

☐ Other Coating Options

-

1

+

C\$343^{.00}

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Volume Pricing	
Qty 1-5	C\$343.00 each
Qty 6-25	C\$273.00 each
Qty 26-49	C\$256.20 each
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Product Downloads

General

Plano-Convex Lens

Type:

Physical & Mechanical Properties

25.00 +0.0/-0.1

Diameter (mm):

<3

Centering (arcmin):

3.00 ±0.10	Center Thickness CT (mm):
2.35	Edge Thickness ET (mm):
24	Clear Aperture CA (mm):
Protective as needed	Bevel:

Optical Properties

50.00 @ 10.6µm	Effective Focal Length EFL (mm):
49.12	Back Focal Length BFL (mm):
Uncoated	Coating:
Silicon (Si)	Substrate: ☐
60-40	Surface Quality:
2λ	Power (P-V) @ 632.8nm:
λ/2	Irregularity (P-V) @ 632.8nm:
120.88	Radius R ₁ (mm):
2.00	f/#:
0.25	Numerical Aperture NA:
1200 - 7000	Wavelength Range (nm):

Regulatory Compliance

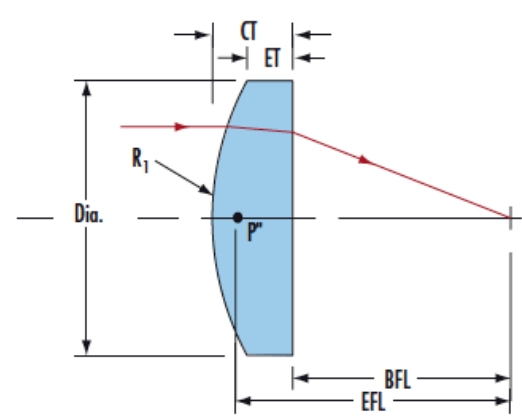
Compliant	RoHS 2015:
Compliant	Reach 219:
View	Certificate of Conformance:

Product Details

- Wavelength Range of 1.2 - 7µm
- Low Density and Dispersion
- Focal Lengths of 25 – 250mm Available
- Additional [Infrared Lenses](#) Available in Popular Substrates

Our TECHSPEC® Silicon Plano-Convex (PCX) Lenses feature precision polished surfaces, making them ideal for a variety of infrared applications, including Near-Infrared (NIR) imaging, and infrared spectroscopy. Available in a variety of focal lengths from f/1 thru f/10, the lenses are offered uncoated or broadband anti-reflection coated. For more information on Silicon properties, please review our guide to selecting [The Correct Material for Infrared \(IR\) Applications](#).

Technical Information



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](#).

Compatible Mounts

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