

[See all 27 Products in Family](#)

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



Stock **#69-677** **20+ In Stock**

[Other Coating Options](#)

⊖ 1 ⊕ **S\$343<sup>00</sup>**

**ADD TO CART**

Volume Pricing	
Qty 1-5	<b>S\$343.00</b> each
Qty 6-25	<b>S\$273.00</b> each
Qty 26-49	<b>S\$256.20</b> each
Need More?	<a href="#">Request Quote</a>

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	<b>Center Thickness CT (mm):</b>
2.35	<b>Edge Thickness ET (mm):</b>
24	<b>Clear Aperture CA (mm):</b>
Protective as needed	<b>Bevel:</b>
<b>Optical Properties</b>	
50.00 @ 10.6μm	<b>Effective Focal Length EFL (mm):</b>
49.12	<b>Back Focal Length BFL (mm):</b>
Uncoated	<b>Coating:</b>
Silicon (Si)	<b>Substrate:</b> <input type="checkbox"/>
60-40	<b>Surface Quality:</b>
2λ	<b>Power (P-V) @ 632.8nm:</b>
λ/2	<b>Irregularity (P-V) @ 632.8nm:</b>
120.88	<b>Radius R<sub>1</sub> (mm):</b>
2.00	<b>f#:</b>
0.25	<b>Numerical Aperture NA:</b>
1200 - 7000	<b>Wavelength Range (nm):</b>

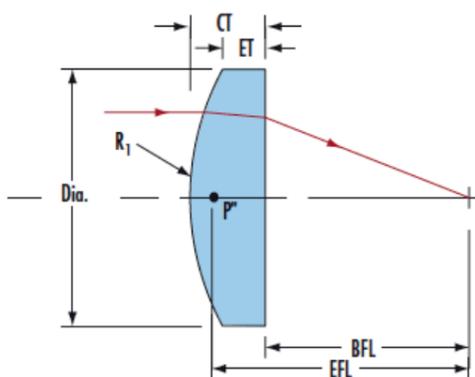
<b>Regulatory Compliance</b>	
<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">Compliant</a>	<b>Reach 219:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>

## 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

---

;