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TECHSPEC® 25mm Dia. x 150mm FL, 3 - 5µm Coated, Si Plano-Convex Lens



Stock **#69-689** **20+ In Stock**

[Other Coating Options](#)

⊖ 1 ⊕ A\$592⁰⁰

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Volume Pricing	
Qty 1-5	A\$592.00 each
Qty 6-25	A\$473.60 each
Qty 26-49	A\$443.20 each
Need More?	Request Quote

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):
2.78	Edge Thickness ET (mm):
24	Clear Aperture CA (mm):
Protective as needed	Bevel:
Optical Properties	
150.00 @ 10.6μm	Effective Focal Length EFL (mm):
149.12	Back Focal Length BFL (mm):
BBAR (3000-5000nm)	Coating:
R _{avg} <3.0% @ 3 - 5μm	Coating Specification:
Silicon (Si)	Substrate: <input type="checkbox"/>
60-40	Surface Quality:
2λ	Power (P-V) @ 632.8nm:
λ/2	Irregularity (P-V) @ 632.8nm:
362.64	Radius R₁ (mm):
6.00	f#:
0.08	Numerical Aperture NA:
3000 - 5000	Wavelength Range (nm):

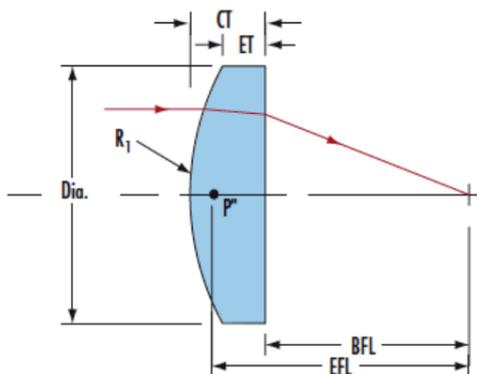
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	REACH 241:

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
