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TECHSPEC[®] 25mm Dia. x 50mm FL, 3 - 5μm Coated, Si Plano-Convex Lens



Stock **#69-686** **5 In Stock**
[Other Coating Options](#)

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1

+

S\$518^{.00}

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Volume Pricing	
Qty 1-5	S\$518.00 each
Qty 6-25	S\$414.40 each
Qty 26-49	S\$387.80 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):
2.35	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):
BBAR (3000-5000nm)	Coating:
R _{avg} <3.0% @ 3 - 5µm	Coating Specification:
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:
3000 - 5000	Wavelength Range (nm):

Regulatory Compliance

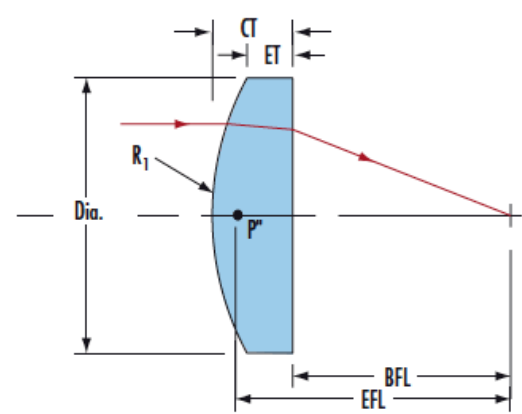
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	REACH 241:

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

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