

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



Stock #69-686 5 In Stock

Other Coating Options

-

1

+

£296<sup>.00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | £296.00 each                  |
| Qty 6-25       | £236.80 each                  |
| Qty 26-49      | £221.60 each                  |
| Need More?     | <a href="#">Request Quote</a> |

Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):

25.00 +0.0/-0.1

|                      |                           |
|----------------------|---------------------------|
| <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 <sub>avg</sub> <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 <sub>1</sub> (mm):      |
| 2.00                             | f/#:                             |
| 0.25                             | Numerical Aperture NA:           |
| 3000 - 5000                      | Wavelength Range (nm):           |

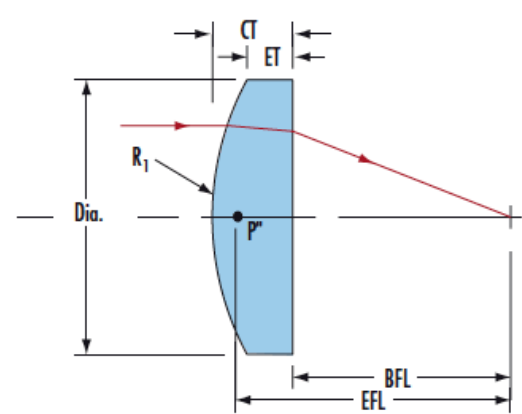
|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| View                  | Certificate of Conformance: |
| Compliant             | 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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