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TECHSPEC<sup>®</sup> 25mm Dia. x 75mm FL, BBAR (1650-3000nm) Coated, Si Plano-Convex Lens



Stock **#21-093** **2 In Stock**

[Other Coating Options](#)

-

1

+

£212<sup>.80</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | £212.80 each                  |
| Qty 6-25       | £181.60 each                  |
| Qty 26-49      | £160.80 each                  |
| Need More?     | <a href="#">Request Quote</a> |

**i** 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): |
| 2.57                 | Edge Thickness ET (mm):   |
| 24                   | Clear Aperture CA (mm):   |
| Protective as needed | Bevel:                    |

Optical Properties

|                                                                              |                                  |
|------------------------------------------------------------------------------|----------------------------------|
| 75.00 @ 10.6μm                                                               | Effective Focal Length EFL (mm): |
| 74.12                                                                        | Back Focal Length BFL (mm):      |
| BBAR (1650-3000nm)                                                           | Coating:                         |
| R <sub>avg</sub> <1% @ 1650 - 3000nm<br>R <sub>abs</sub> <2% @ 1650 - 3000nm | Coating Specification:           |
| Silicon (Si)                                                                 | Substrate: □                     |
| 60-40                                                                        | Surface Quality:                 |
| 2λ                                                                           | Power (P-V) @ 632.8nm:           |
| λ/2                                                                          | Irregularity (P-V) @ 632.8nm:    |
| 181.32                                                                       | Radius R <sub>1</sub> (mm):      |
| 3.00                                                                         | f/#:                             |
| 0.17                                                                         | Numerical Aperture NA:           |
| 1650 - 3000                                                                  | Wavelength Range (nm):           |

Regulatory Compliance

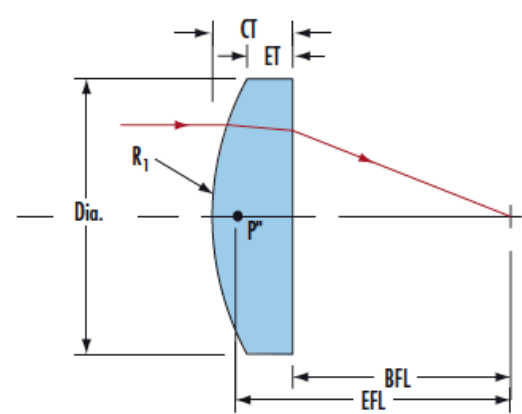
|           |                             |
|-----------|-----------------------------|
| Compliant | RoHS 2015:                  |
| View      | Certificate of Conformance: |
| Compliant | Reach 235:                  |

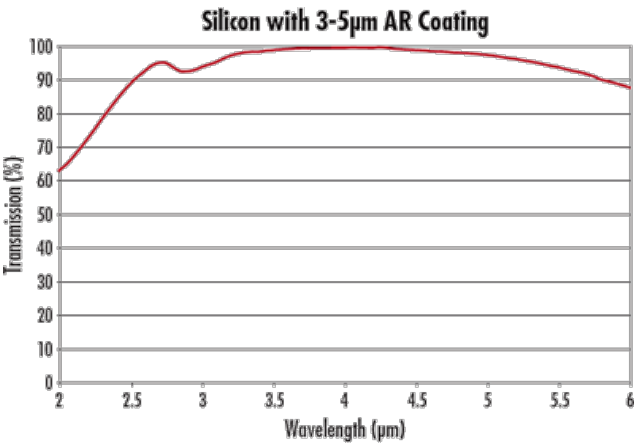
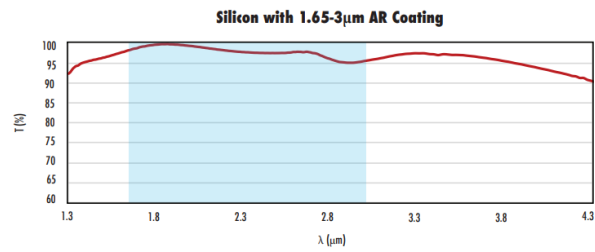
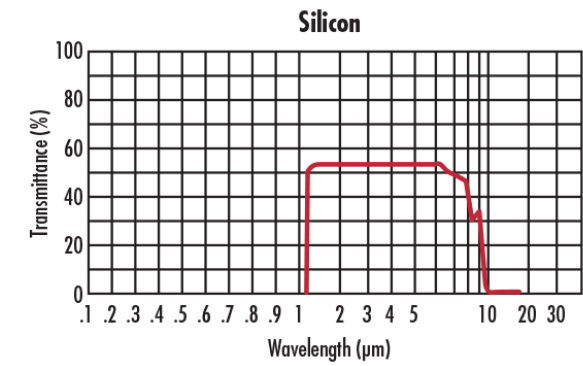
## Product Details

- 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