

TECHSPEC® 25mm Dia. x 50mm FL, BBAR (1650-3000nm) Coated, Si Plano-Convex Lens



Stock #21-092 [CONTACT US](#)

[Other Coating Options](#)

- 1 + €251³²

ADD TO CART

Volume Pricing	
Qty 1-5	€251,32 each
Qty 6-25	€214,24 each
Qty 26-49	€189,52 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

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 (1650-3000nm) **Coating:**

$R_{avg} < 1\%$ @ 1650 - 3000nm
 $R_{abs} < 2\%$ @ 1650 - 3000nm **Coating Specification:**

Silicon (Si) **Substrate:**

60-40 **Surface Quality:**

2λ **Power (P-V) @ 632.8nm:**

$\lambda/2$ **Irregularity (P-V) @ 632.8nm:**

120.88 **Radius R_1 (mm):**

2.00 **f#:**

0.25 **Numerical Aperture NA:**

1650 - 3000 **Wavelength Range (nm):**

Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[View](#) **Certificate of Conformance:**

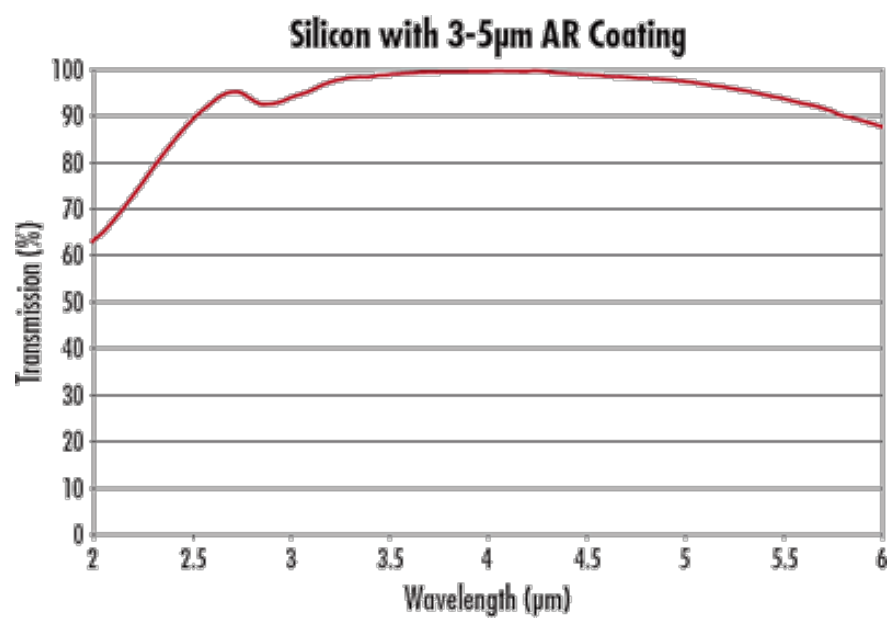
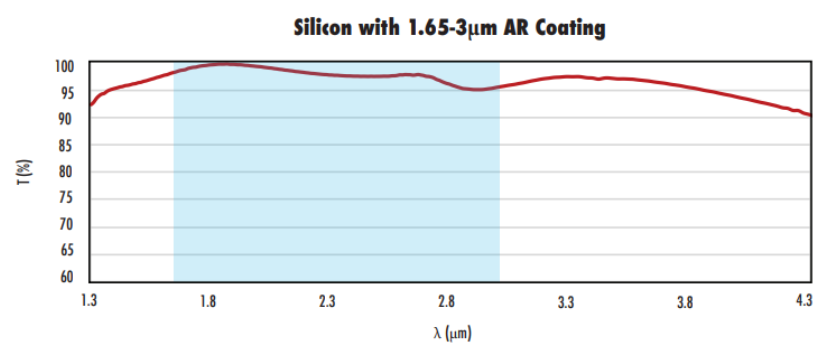
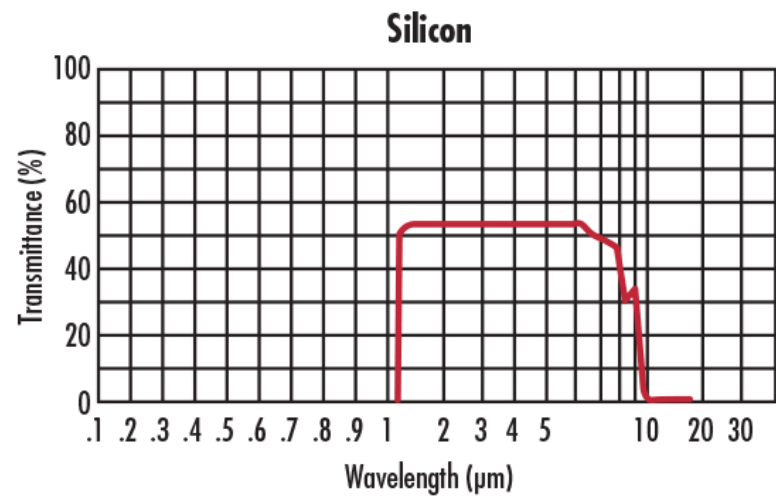
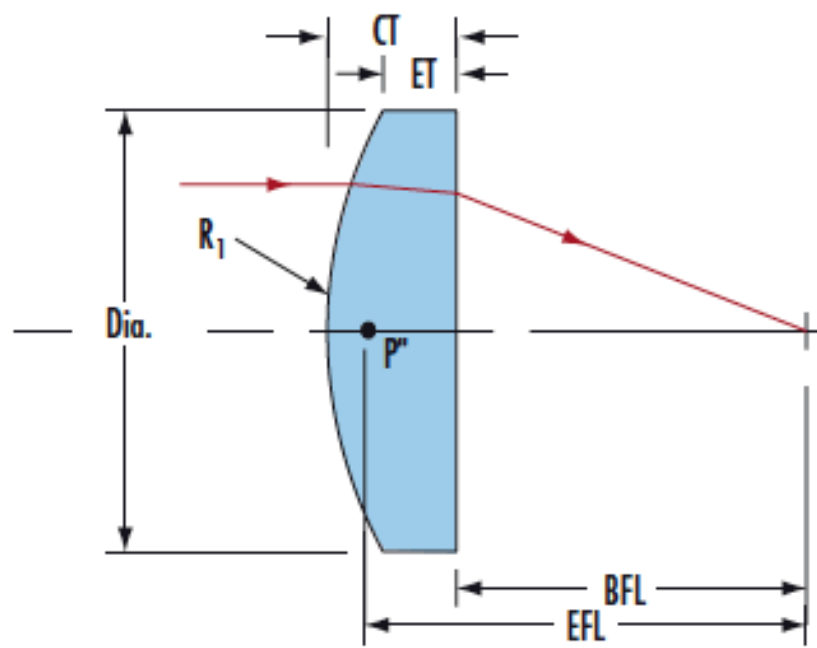
[Compliant](#) **Reach 235:**

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

