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TECHSPEC® 25mm Dia. x 250mm FL, BBAR (1650-3000nm) Coated, Si Plano-Convex Lens

Stock **#21-096** **3 In Stock**

Other Coating Options

- 1 + **£212.80**

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?	Request Quote

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

Centering (arcmin):
<3

Center Thickness CT (mm):
3.00 ±0.10

Edge Thickness ET (mm):
2.87

Clear Aperture CA (mm):
24

Bevel:
Protective as needed

Optical Properties

Effective Focal Length EFL (mm):
250.00 @ 10.6µm

Back Focal Length BFL (mm):
249.12

Coating:
BBAR (1650-3000nm)

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

Substrate:
Silicon (Si)

Surface Quality:
60-40

Power (P-V) @ 632.8nm:
2λ

Irregularity (P-V) @ 632.8nm:
λ/2

Radius R_1 (mm):
604.40

f/#:
10.00

Numerical Aperture NA:
0.05

Wavelength Range (nm):
1650 - 3000

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

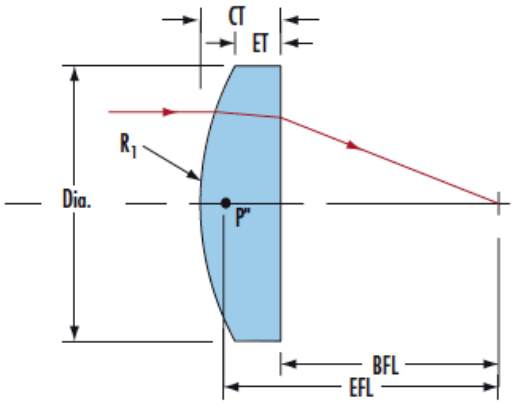
Reach 235:
Compliant

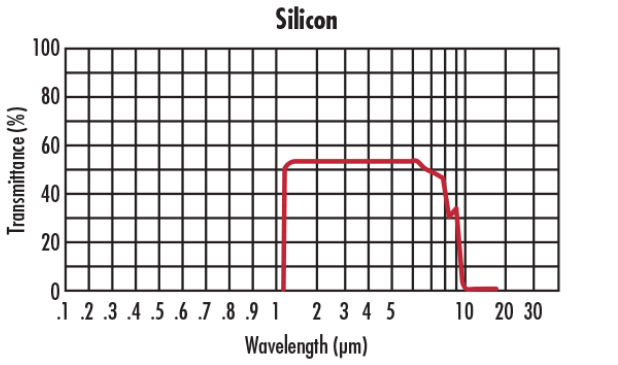
Product Details

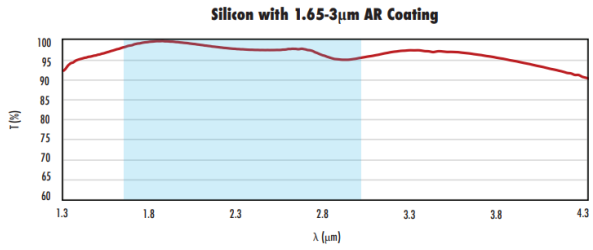
- Wavelength Range of 1.2 - 7µm
- Low Density and Dispersion
- Focal Lengths of 25 – 250mm Available
- Additional **Infrared Lenses** Available in Popular Substrates

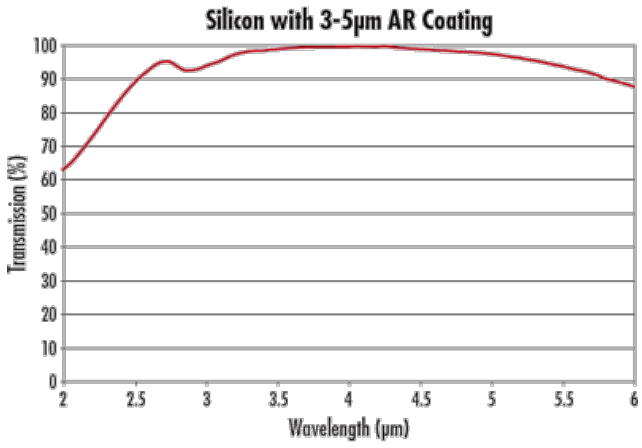
Our TECHSPEC® Silicon Plano-Convex (PCX) Lenses feature precision polished surfaces, making them ideal for a variety of infrared applications, including Near-Infrared (NIR) imaging, and infrared spectroscopy. Available in a variety of focal lengths from f/1 thru f/10, the lenses are offered uncoated 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