TECHSPEC 25mm Dia. x 30mm FL, BBAR (1650-3000nm) Coated, Si Plano-Convex Lens

Stock **#21-089** CONTACT US

Other Coating Options

- 1 + **₹18,995**

ADD TO CART

Volume Pricing	
Qty 1-5	**₹18,995** each
Qty 6-25	**₹16,193** each
Qty 26-49	**₹14,324** each
Need More?	Request Quote

Product Downloads

SPECIFICATIONS

General

Type:	Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):	25.00 +0.0/-0.1
Centering (arcmin):	<3
Center Thickness CT (mm):	3.50 ±0.10
Edge Thickness ET (mm):	2.41
Clear Aperture CA (mm):	24
Bevel:	Protective as needed

Optical Properties

Effective Focal Length EFL (mm):	30.00 @ 10.6µm
Back Focal Length BFL (mm):	28.98
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):	72.53
f/#:	1.2
Numerical Aperture NA:	0.42
Wavelength Range (nm):	1650 - 3000

Regulatory Compliance

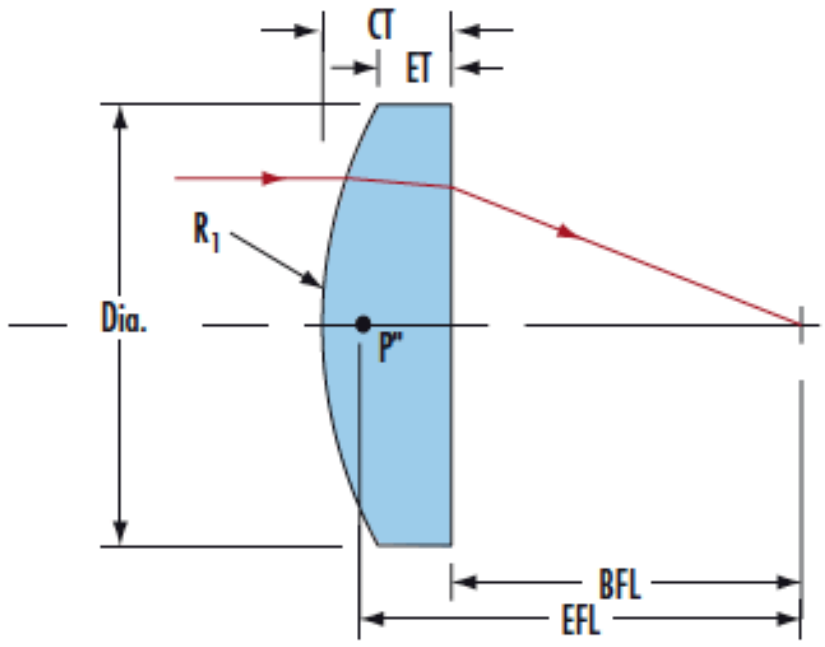
RoHS 2015:	Compliant
Certificate of Conformance:	View
Reach 235:	Compliant

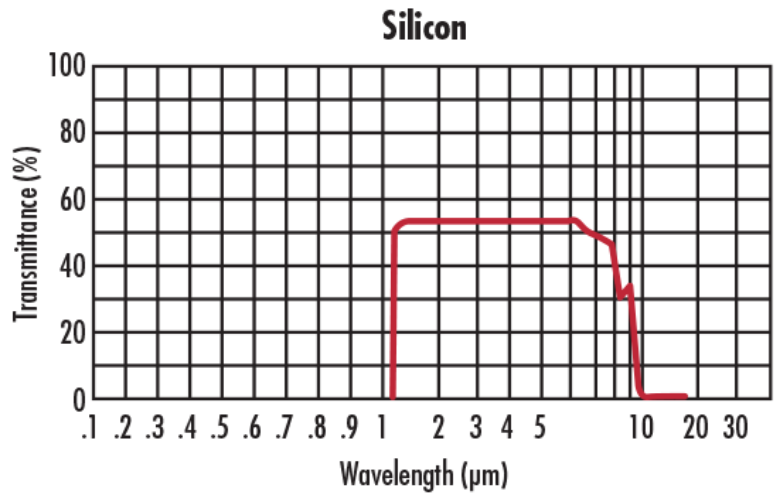
PRODUCT DETAILS

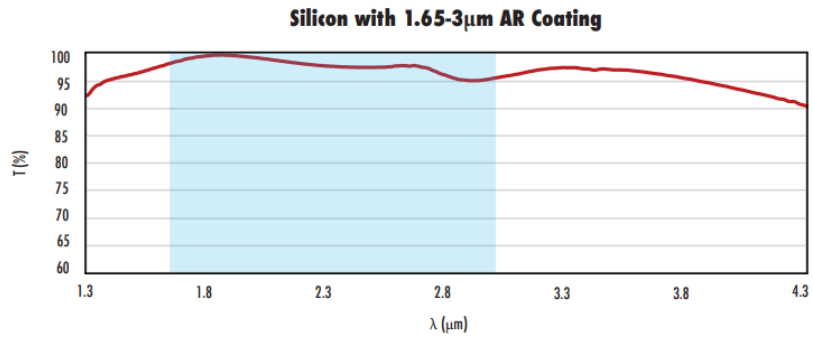
- Wavelength Range of 1.2 - 7µm
- Low Density and Dispersion
- Focal Lengths of 25 – 250mm Available
- Additional **Infrared Lenses** Available in Popular Substrates

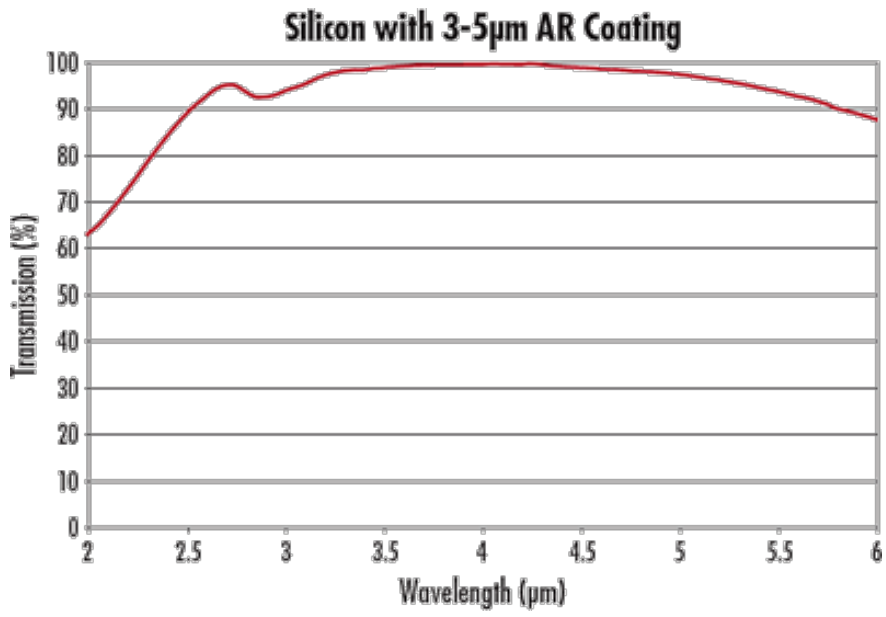
Our TECHSPEC® Silicon Plano-Convex (PCX) Lenses feature precision polished surfaces, making them ideal for a variety of infrared applications, including Near-Infrared (NIR) imaging, and infrared spectroscopy. Available in a variety of focal lengths from f/1 thru f/10, the lenses are offered uncoated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