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TECHSPEC<sup>®</sup> 5mm Dia. x 20mm FL 1064nm V-Coat, Fused Silica PCX Lens



Stock **#34-131** 20+ In Stock

☐ [Other Coating Options](#)

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+

S\$198<sup>.80</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | S\$198.80 each                |
| Qty 6-25       | S\$159.60 each                |
| Qty 26-49      | S\$149.80 each                |
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Product Downloads

General

Type:

Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):

5.00 +0.0/-0.025

|                                         |                           |
|-----------------------------------------|---------------------------|
| ≤1                                      | Centering (arcmin):       |
| 1.50 ±0.05                              | Center Thickness CT (mm): |
| 1.5                                     | Edge Thickness ET (mm):   |
| 4.5                                     | Clear Aperture CA (mm):   |
| Protective as needed                    | Bevel:                    |
| Fine Ground, Protective Bevel as Needed | Edges:                    |

|                                    |                                  |
|------------------------------------|----------------------------------|
| Optical Properties                 |                                  |
| 20.00 @ 587.6nm                    | Effective Focal Length EFL (mm): |
| 18.97                              | Back Focal Length BFL (mm):      |
| Laser V-Coat (1064nm)              | Coating:                         |
| R <sub>abs</sub> <0.25% @ 1064nm   | Coating Specification:           |
| Fused Silica (Corning 7980)        | Substrate: □                     |
| 40-20                              | Surface Quality:                 |
| 1.5λ                               | Power (P-V) @ 632.8nm:           |
| λ/4                                | Irregularity (P-V) @ 632.8nm:    |
| ±1                                 | Focal Length Tolerance (%):      |
| 9.17                               | Radius R <sub>1</sub> (mm):      |
| 4.00                               | f##:                             |
| 0.13                               | Numerical Aperture NA:           |
| 1064                               | Design Wavelength DWL (nm):      |
| 5 J/cm <sup>2</sup> @ 1064nm, 10ns | Damage Threshold, By Design: □   |

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

## Product Details

- <0.25% Reflection at 1064nm for Fiber and Nd:YAG Applications
- 5 - 50mm Diameters Available
- 10 - 250mm EFL Designs Available
- [405nm](#), [532nm](#), [633nm](#), and [1550nm](#) V-Coated Options Offered

TECHSPEC® Laser Line Coated Fused Silica PCXLenses are available in a variety of laser line V-Coat AR coating options. Designed for maximum throughput at the specified laser wavelength, these lenses are ideal for applications utilizing low power HeNe, Diode, and Nd:YAG laser sources. With a maximum reflection of <0.25% per surface at the design wavelength, the lenses will provide superior transmission in applications utilizing multiple optical components.

## 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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