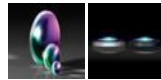


TECHSPEC® 50mm Dia. x 100mm FL 405nm V-Coat, UV PCX Lens



Stock **#34-079** **1 In Stock**

[Other Coating Options](#)

1 **\$461⁰⁰**

ADD TO CART

Volume Pricing	
Qty 1-5	\$461.49 each
Qty 6-25	\$368.89 each
Qty 26-49	\$346.49 each
Need More?	Request Quote

Product Downloads

SPECIFICATIONS

General

Type:

Physical & Mechanical Properties

50.00 +0.0/-0.025 **Diameter (mm):**

≤1 **Centering (arcmin):**

9.00 ±0.10 **Center Thickness CT (mm):**

1.58 **Edge Thickness ET (mm):**

49 **Clear Aperture CA (mm):**

Protective as needed **Bevel:**

Fine Ground, Protective Bevel as Needed **Edges:**

Optical Properties

100.00 @ 587.6nm **Effective Focal Length EFL (mm):**

93.84 **Back Focal Length BFL (mm):**

Laser V-Coat (405nm) **Coating:**

$R_{\text{abs}} < 0.25\%$ @ 405nm **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 (%):**

45.85 **Radius R₁ (mm):**

2.00 **f#:**

0.25 **Numerical Aperture NA:**

405 **Design Wavelength DWL (nm):**

3 J/cm² @ 405nm, 10ns **Damage Threshold, By Design:**

Regulatory Compliance

Compliant **RoHS 2015:**

View **Certificate of Conformance:**

Compliant **Reach 235:**

PRODUCT DETAILS

- <0.25% Reflection at 405nm for 405nm Diodes
- 5 - 50mm Diameters Available
- 10 - 250mm EFL Designs Available
- **532nm, 633nm, 1064nm, and 1550nm** V-Coated Options Offered

TECHSPEC® Laser Line Coated Fused Silica PCX Lenses 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.></0.25%>

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
