

TECHSPEC[®] 50mm Dia. x 75mm FL 405nm V-Coat, UV PCX Lens



Stock **#34-078** 8 In Stock

☐ [Other Coating Options](#)

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+

S\$476^{.00}

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Volume Pricing	
Qty 1-5	S\$476.00 each
Qty 6-25	S\$380.80 each
Qty 26-49	S\$357.00 each
Need More?	Request Quote

Product Downloads

General

Type:

Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):

50.00 +0.0/-0.025

≤1	Centering (arcmin):
12.50 ±0.10	Center Thickness CT (mm):
1.72	Edge Thickness ET (mm):
49	Clear Aperture CA (mm):
Protective as needed	Bevel:
Fine Ground, Protective Bevel as Needed	Edges:

Optical Properties	
75.00 @ 587.6nm	Effective Focal Length EFL (mm):
66.43	Back Focal Length BFL (mm):
Laser V-Coat (405nm)	Coating:
R _{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 (%):
34.39	Radius R ₁ (mm):
1.5	f##:
0.33	Numerical Aperture NA:
405	Design Wavelength DWL (nm):
3 J/cm ² @ 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 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.></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

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