

TECHSPEC®

5mm Dia. x 25mm FL 1064nm V-Coat, Fused Silica PCX Lens


 Stock #34-132 **1 In Stock** [Other Coating Options](#)

 - 1 + **C\$198^{.80}**
ADD TO CART


Volume Pricing	
Qty 1-5	C\$198.80 each
Qty 6-25	C\$159.60 each
Qty 26-49	C\$149.80 each
Need More?	Request Quote

Product Downloads	
STEP:stp	Curve:pdf
PDF Drawing:pdf	
ISO 10110 Drawing	
IGES:igs	Curve (xlsx):xlsx
Zemax:zar	Zemax:zmx
eDrawing:eprt	Code V:seq
EO Spec Sheet	Download All

General

Type: Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm): 5.00 +0.0/-0.025	Centering (arcmin): ≤1
Center Thickness CT (mm): 1.50 ±0.05	Edge Thickness ET (mm): 1.5
Clear Aperture CA (mm): 4.5	Bevel: Protective as needed
Edges: Fine Ground, Protective Bevel as Needed	

Optical Properties

Effective Focal Length EFL (mm): 25.00 @ 587.6nm	Back Focal Length BFL (mm): 23.97
Coating: Laser V-Coat (1064nm)	Coating Specification: R _{abs} <0.25% @ 1064nm
Substrate: Fused Silica (Corning 7980)	Surface Quality: 40-20
Power (P-V) @ 632.8nm: 1.5λ	Irregularity (P-V) @ 632.8nm: λ/4
Focal Length Tolerance (%): ±1	Radius R₁ (mm): 11.46
f/#: 5.00	Numerical Aperture NA: 0.10

Design Wavelength DWL (nm): 1064

Damage Threshold, By Design: 5 J/cm² @ 1064nm, 10ns

Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: [View](#)

Reach 235: **Compliant**

Need different specs or modifications?

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](#).

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 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.

Related Products







#13-800 - Small Lens Clamp for 4-8mm Dia. Optics
C\$240.80

Qty

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
MORE+	5.0mm Optic Dia., Optic Mount	Fixed		#64-551	C\$45.85 Request Quote	14 In Stock <input type="text"/>
MORE+	5mm Diameter, S-Mount Thin Optic Mount	Fixed		#63-940	C\$57.05 Request Quote	20+ In Stock <input type="text"/>

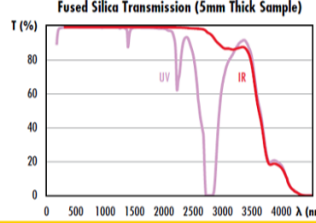
	Title	Type	Compare	Stock Number	Price	Buy
MORE+ 	5mm Diameter, S-Mount Thick Optic Mount	Fixed		#63-948	C\$57.05 Request Quote	8 In Stock <input type="text" value="1"/> 
MORE+ 	5mm Inner Single Optic Mount	Fixed		#38-744	C\$57.40 Request Quote	20+ In Stock <input type="text" value="1"/> 
MORE+ 	5mm Diameter, C-Mount Thin Optic Mount	Fixed		#54-612	C\$83.30 Request Quote	3 In Stock <input type="text" value="1"/> 
MORE+ 	5mm Diameter, C-Mount Thick Optic Mount	Fixed		#57-974	C\$83.30 Request Quote	5 In Stock <input type="text" value="1"/> 

Check out our full selection of mounts [here](#).

Resources

Media Type

Application Note



APPLICATION NOTE
UV vs. IR Grade Fused Silica