

TECHSPEC® 50mm Dia. x 75mm FL 785nm V-Coat, UV PCX Lens



Stock **#25-921** **4 In Stock**

- 1 + **A\$544.⁰⁰**

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Volume Pricing	
Qty 1-5	A\$544.00 each
Qty 6-25	A\$435.20 each
Qty 26-49	A\$408.00 each
Need More?	Request Quote

Product Downloads

General

Plano-Convex Lens **Type:**

Physical & Mechanical Properties

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

Protective as needed **Bevel:**

12.50	Center Thickness CT (mm):
<1	Centering (arcmin):
49	Clear Aperture CA (mm):
1.72	Edge Thickness ET (mm):

Optical Properties

75.00 @ 587.6nm	Effective Focal Length EFL (mm):
Fused Silica	Substrate: <input type="checkbox"/>
1.5	f#:
0.33	Numerical Aperture NA:
785nm V-Coat	Coating:
66.43	Back Focal Length BFL (mm):
$R_{\text{rms}} < 0.25\% @ 785\text{nm}$	Coating Specification:
785	Design Wavelength DWL (nm):
±1	Focal Length Tolerance (%):
34.39	Radius R₁ (mm):
40-20	Surface Quality:
1.5λ	Power (P-V) @ 632.8nm:
λ/4	Irregularity (P-V) @ 632.8nm:

Regulatory Compliance

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

Product Details

- <0.25% Reflection at 785nm
- 5 - 50mm Diameters Available
- 10 - 250mm EFL Designs Available
- [405nm](#), [532nm](#), [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.