

**TECHSPEC® 12mm Dia. x 50mm FL 785nm V-Coat, UV PCX Lens**



Stock **#25-911** **9 In Stock**

⊖ 1 ⊕ **SS204<sup>40</sup>**

**ADD TO CART**

Volume Pricing	
Qty 1-5	<b>SS204.40</b> each
Qty 6-25	<b>SS162.40</b> each
Qty 26-49	<b>SS154.00</b> each
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Product Downloads

**General**

Plano-Convex Lens **Type:**

**Physical & Mechanical Properties**

12.00 +0.0/-0.025 **Diameter (mm):**

Protective as needed **Bevel:**

Center Thickness CT (mm):  
2.90

Centering (arcmin):  
<1

Clear Aperture CA (mm):  
11

Edge Thickness ET (mm):  
2.10

## Optical Properties

Effective Focal Length EFL (mm):  
50.00 @ 587.6nm

Substrate:   
[Fused Silica](#)

f#:  
4.17

Numerical Aperture NA:  
0.12

Coating:  
785nm V-Coat

Back Focal Length BFL (mm):  
48.01

Coating Specification:  
R<sub>abs</sub> <0.25% @ 785nm

Design Wavelength DWL (nm):  
785

Focal Length Tolerance (%):  
±1

Radius R<sub>1</sub> (mm):  
22.92

Surface Quality:  
40-20

Power (P-V) @ 632.8nm:  
1.5λ

Irregularity (P-V) @ 632.8nm:  
λ/4

## Regulatory Compliance

RoHS 2015:  
[Compliant](#)

Certificate of Conformance:  
[View](#)

Reach 235:  
[Compliant](#)

## 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.