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TECHSPEC® 50mm Dia. x 100mm FL 785nm V-Coat, UV PCX Lens

Stock **#25-922** **4 In Stock**

- 1 + **€340**.00

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Volume Pricing	
Qty 1-5	**€340,00** each
Qty 6-25	**€272,00** each
Qty 26-49	**€255,00** each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):

50.00 +0.0/-0.025

Bevel:

Protective as needed

Center Thickness CT (mm):
9.00

Centering (arcmin):
<1

Clear Aperture CA (mm):
49

Edge Thickness ET (mm):
1.58

Optical Properties

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

Substrate:
Fused Silica

f/#:
2

Numerical Aperture NA:
0.25

Coating:
785nm V-Coat

Back Focal Length BFL (mm):
93.84

Coating Specification:
R_{abs} <0.25% @ 785nm

Design Wavelength DWL (nm):
785

Focal Length Tolerance (%):
±1

Radius R_1 (mm):
45.85

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 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.

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