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TECHSPEC® 5mm Dia. x 20mm FL 785nm V-Coat, UV PCX Lens

Stock **#25-897** **5 In Stock**

- 1 + **A$227.20**

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Volume Pricing	
Qty 1-5	**A$227.20** each
Qty 6-25	**A$182.40** each
Qty 26-49	**A$171.20** each
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Product Downloads

General

Type:

Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):

5.00 +0.0/-0.025

Bevel:

Protective as needed

Center Thickness CT (mm):
1.50

Centering (arcmin):
<1

Clear Aperture CA (mm):
4.5

Edge Thickness ET (mm):
1.15

Optical Properties

Effective Focal Length EFL (mm):
20.00 @ 587.6nm

Substrate:
Fused Silica

f/#:
4

Numerical Aperture NA:
0.13

Coating:
785nm V-Coat

Back Focal Length BFL (mm):
18.97

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

Design Wavelength DWL (nm):
785

Focal Length Tolerance (%):
±1

Radius R_1 (mm):
9.17

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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