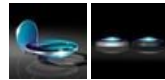


TECHSPEC® 50mm Dia. x 100mm FL 405nm V-Coat, UV PCX Lens



TECHSPEC 405nm Laser Line Coated Fused Silica PCXLenses



Stock #34-079 3-4 DAYS

[Other Coating Options](#)

⊖ 1 ⊕ **€300,00**

ADD TO CART

Qty 1-5

€300,00

Qty 6+

€240,00

Volume Pricing

[Request Quote](#)

ⓘ Prices shown are exclusive of VAT/local taxes

Get Product Downloads



Diameter (mm):
50.00 +0.0/-0.025

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

Back Focal Length BFL (mm):
93.84

Coating:
Laser V-Coat (405nm)

Coating Specification:
 $R_{\text{abs}} < 0.25\%$ @ 405nm

Substrate:
[Fused Silica](#) (Corning 7980)

Surface Quality:
40-20

Power (P-V) @ 632.8nm:
 1.5λ

Irregularity (P-V) @ 632.8nm:
 $\lambda/4$

Focal Length Tolerance (%):
 ± 1

Centering (arcmin):
 ≤ 1

Center Thickness CT (mm):
 9.00 ± 0.10

Edge Thickness ET (mm):
1.58

Radius R_1 (mm):
45.85

Clear Aperture CA (mm):
49

f#:
2.00

Numerical Aperture NA:
0.25

Design Wavelength DWL (nm):
405

Type:
Plano-Convex Lens

Bevel:
Protective bevel as needed

Edges:
Fine Ground, Protective Bevel as Needed

Damage Threshold, By Design:
 3 J/cm^2 @ 405nm, 10ns

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

Reach 235:
[Compliant](#)