

TECHSPEC® 12.7mm Dia. x 50mm FL, 355nm Coated, Laser Grade PCX Lens



TECHSPEC Laser Grade PCX Lenses

Stock **#38-685** ☐ In Stock

[Other Coating Options](#)

1 **C\$256.20**

ADD TO CART

Qty 1-5

C\$256.20

Qty 6+

C\$204.40

Volume Pricing

[Request Quote](#)

Get Product Downloads



Diameter (mm):
12.70 +0.00/-0.025

Effective Focal Length EFL (mm):
50.00 @ 355nm

Back Focal Length BFL (mm):
47.30

Coating: Laser V-Coat (355nm)
Coating Specification: R_{abs} <0.25% @ 355nm
Substrate: Fused Silica (Corning 7980)
Surface Quality: 10-5
Power (P-V) @ 632.8nm: λ
Irregularity (P-V) @ 632.8nm: λ/10
Focal Length Tolerance (%): ±1
Centering (arcmin): <1
Center Thickness CT (mm): 4.00 ±0.10
Edge Thickness ET (mm): 3.14
Radius R₁ (mm): 23.80
Clear Aperture CA (mm): 11.43
f#: 3.94
Numerical Aperture NA: 0.13
Design Wavelength DWL (nm): 355
Type: Plano-Convex Lens
Bevel: Protective bevel as needed
Damage Threshold, By Design: 7.5 J/cm² @ 355nm, 20ns, 20Hz

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View