

TECHSPEC® 12.0mm Diameter x 42.0mm FL, 785nm V-Coat, PCX Lens



633nm Laser Line Coated Plano-Convex (PCX) Lenses



Stock **#69-490** ☐ In Stock

☐ [Other Coating Options](#)

1

C\$66.50

ADD TO CART

Qty 1-9

C\$66.50

Qty 10+

C\$59.85

Volume Pricing

[Request Quote](#)

Get Product Downloads



Diameter (mm):
12.00 +0.0/-0.025

Effective Focal Length EFL (mm):

42.00 @ 587.6nm
Back Focal Length BFL (mm): 40.22
Coating: Laser V-Coat (785nm)
Coating Specification: R _{abs} <0.25% @ 785nm
Substrate: ☐ N-BK7
Surface Quality: 40-20
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4
Focal Length Tolerance (%): ±1
Centering (arcmin): <1
Center Thickness CT (mm): 2.70 ±0.05
Edge Thickness ET (mm): 1.85
Radius R₁ (mm): 21.71
Clear Aperture CA (mm): 11
f/#: 3.5
Numerical Aperture NA: 0.14
Design Wavelength DWL (nm): 785
Type: Plano-Convex Lens
Bevel: Protective bevel as needed
Damage Threshold, By Design: ☐ 5 J/cm² @ 785nm, 10ns

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View
Reach 235: Compliant