

TECHSPEC® 50mm Dia. x 75mm FL, NIR II Coated, Plano-Convex Lens



UV Fused Silica Plano-Convex (PCX) Lenses



Stock **#18-181** 3-4 DAYS

- 1 +

€300,00

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Qty 1-5

€300,00

Qty 6+

€240,00

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Diameter (mm):
50.00 -0.025

Effective Focal Length EFL (mm):

75.00 @ 587.6nm
Back Focal Length BFL (mm): 66.43
Coating: NIR II (750-1550nm)
Coating Specification: R _{abs} ≤1.5% @ 750 - 800nm R _{abs} ≤1.0% @ 800 - 1550nm R _{avg} ≤0.7% @ 750 - 1550nm
Substrate: ☐ Fused Silica (Corning 7980)
Surface Quality: 40-20
Power (P-V) @ 632.8nm: 3 Rings
Irregularity (P-V) @ 632.8nm: 0.5 Rings
Focal Length Tolerance (%): ±1
Centering (arcmin): <1
Center Thickness CT (mm): 12.50 ±0.10
Edge Thickness ET (mm): 1.72
Radius R₁ (mm): 34.39
Clear Aperture CA (mm): 49
f/#: 1.5
Numerical Aperture NA: 0.33
Type: Plano-Convex Lens
Bevel: Protective bevel as needed
Wavelength Range (nm): 750 - 1550
Damage Threshold, By Design: ☐ 8 J/cm² @ 1064nm, 10ns

Regulatory Compliance

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