

TECHSPEC® 20mm Dia. x 80mm FL, NIR II Coated, Plano-Convex Lens



UV Fused Silica Plano-Convex (PCX) Lenses



Stock **#18-176** 3-4 DAYS

⊖ 1 ⊕

€150,00

ADD TO CART

Qty 1-5

€150,00

Qty 6+

€120,00

Volume Pricing

[Request Quote](#)

ⓘ Prices shown are exclusive of VAT/local taxes

Get Product Downloads



Diameter (mm):
20.00 -0.025

Effective Focal Length EFL (mm):

80.00 @ 587.6nm
Back Focal Length BFL (mm): 77.95
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): 3.00 ±0.10
Edge Thickness ET (mm): 1.61
Radius R₁ (mm): 36.68
Clear Aperture CA (mm): 19
f/#: 4
Numerical Aperture NA: 0.13
Type: Plano-Convex Lens
Bevel: Protective bevel as needed
Wavelength Range (nm): 750 - 1550
Damage Threshold, By Design: ☐ 8 J/cm ² @ 1064nm, 10ns

Regulatory Compliance

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