

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



UV Fused Silica Plano-Convex (PCX) Lenses



Stock **#18-180** 3-4 DAYS

- 1 +

£255.00

ADD TO CART

Qty 1-5

£255.00

Qty 6+

£204.00

Volume Pricing

[Request Quote](#)

ⓘ Prices shown are exclusive of VAT/local taxes

Get Product Downloads



Diameter (mm):
50.00 -0.025

Effective Focal Length EFL (mm):

75.00 @ 587.6nm
Back Focal Length BFL (mm): 66.43
Coating: NIR I (600-1050nm)
Coating Specification: R _{avg} ≤0.5% @ 600 - 1050nm
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): 600 - 1050
Damage Threshold, Reference:  7 J/cm² @ 1064nm, 10ns

Regulatory Compliance

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