

TECHSPEC® 9.0mm Dia. x -18 FL, UV-AR Coated, UV Plano-Concave Lens



UV Fused Silica Plano-Concave (PCV) Lenses



Stock **#46-312** ☐ In Stock

☐ [Other Coating Options](#)

1

C\$191.80

ADD TO CART

Qty 1-5

C\$191.80

Qty 6+

C\$153.30

Volume Pricing

[Request Quote](#)

Get Product Downloads



Diameter (mm):
9.00 +0.0/-0.025

Effective Focal Length EFL (mm):

-18.00
Substrate: Fused Silica (Coming 7980)
f#: 2.00
Numerical Aperture NA: 0.25
Coating: UV-AR (250-425nm)
Type: Plano-Concave Lens
Wavelength Range (nm): 250 - 425
Back Focal Length BFL (mm): -19.37
Center Thickness CT (mm): 2.00
Center Thickness Tolerance (mm): ±0.05
Centering (arcmin): <1
Clear Aperture CA (mm): 8.1
Coating Specification: R _{abs} ≤1.0% @ 250 - 425nm R _{avg} ≤0.75% @ 250 - 425nm R _{avg} ≤0.5% @ 370 - 420nm
Edge Thickness ET (mm): 3.15
Focal Length Specification Wavelength (nm): 587.6
Focal Length Tolerance (%): ±1
Note: Max. Flat Annulus is 0.3mm
Radius R₁ (mm): -8.25
Surface Quality: 40-20
Damage Threshold, Reference: 3 J/cm² @ 355nm, 10ns
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4

Regulatory Compliance

RoHS 2015: Compliant
Reach 223: Compliant
Certificate of Conformance: View