

TECHSPEC[®] 18mm x 80mm FL, VIS-NIR Coated, Achromatic Lens



Stock #49-346 3-5 DAYS

[Other Coating Options](#)

-

1

+

A\$163.20

ADD TO CART

Qty 1-5

A\$163.20

Qty 6+

A\$130.40

Volume Pricing

[Request Quote](#)

Get Product Downloads



Diameter (mm):
18.00 +0.0/-0.025

Effective Focal Length EFL (mm):
80.00

Focal Length Tolerance (%): ±1
Back Focal Length BFL (mm): 76.52
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 17.00
Centering (arcmin): <1
Center Thickness CT (mm): 7.50 ±0.20
Center Thickness CT 1 (mm): 5.00 ±0.10
Center Thickness CT 2 (mm): 2.50 ±0.10
Radius R₁ (mm): 49.67
Radius R₂ (mm): -34.73
Radius R₃ (mm): -100.11
Edge Thickness ET (mm): 6.27
Substrate: ☐ N-BK7 / N-SF5
Surface Quality: 40-20
Numerical Aperture NA: 0.11
Coating: VIS-NIR (400-1000nm)
Coating Specification: R _{abs} ≤0.25% @ 880nm R _{avg} ≤1.25% @ 400 - 870nm R _{avg} ≤1.25% @ 890 - 1000nm
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4
Bevel: Protective bevel as needed
Type: Achromatic Lens
Wavelength Range (nm): 400 - 1000

Regulatory Compliance

RoHS 2015: Compliant
Reach 219: Compliant
Certificate of Conformance: View