

TECHSPEC®

12mm Dia. x 18mm FL, NIR I Coated, Double-Convex Lens



Stock **#49-475** [CONTACT US](#)

[Other Coating Options](#)

- 1 +

C\$59.50

ADD TO CART

Qty 1-9
C\$59.50
Qty 10+
C\$53.55
Volume Pricing
Request Quote

Get Product Downloads



Diameter (mm):
12.00 +0.0/-0.025

Back Focal Length BFL (mm):
16.81

Effective Focal Length EFL (mm): 18.00
Coating: NIR I (600-1050nm)
Coating Specification: R _{avg} ≤0.5% @ 600 - 1050nm
Substrate: ☐ N-BK7
Surface Quality: 40-20
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4
Centering (arcmin): <1
Bevel: Protective bevel as needed
Center Thickness CT (mm): 3.48
Center Thickness Tolerance (mm): ±0.05
Edge Thickness ET (mm): 1.42
Radius R₁=R₂ (mm): 18.01
Clear Aperture CA (mm): 11.00
f/#: 1.5
Focal Length Specification Wavelength (nm): 587.6
Numerical Aperture NA: 0.33
Type: Double-Convex Lens
Wavelength Range (nm): 600 - 1050
Damage Threshold, By Design: ☐ 7 J/cm² @ 1064nm, 10ns

Regulatory Compliance

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