

TECHSPEC®

12mm Diameter x -18 FL, NIR II Coated, Plano-Concave Lens



Stock #67-993

3-5 DAYS

[Other Coating Options](#)



1



A\$67.20

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Qty 1-9

A\$67.20

Qty 10+

A\$60.40

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Diameter (mm):
12.00 +0.0/-0.025

Effective Focal Length EFL (mm):
-18.00

Substrate: N-SF11
f/#: 1.5
Coating: NIR II (750-1550nm)
Type: Plano-Concave Lens
Wavelength Range (nm): 750 - 1550
Back Focal Length BFL (mm): -19.95
Center Thickness CT (mm): 3.50
Center Thickness Tolerance (mm): ±0.05
Centering (arcmin): <1
Clear Aperture CA (mm): 11.00
Coating Specification: R _{abs} ≤1.5% @ 750 - 800nm R _{abs} ≤1.0% @ 800 - 1550nm R _{avg} ≤0.7% @ 750 - 1550nm
Edge Thickness ET (mm): 4.70
Focal Length Specification Wavelength (nm): 587.6
Focal Length Tolerance (%): ±1.00
Radius R₁ (mm): -14.12
Surface Quality: 40-20
Damage Threshold, By Design: 8 J/cm² @ 1064nm, 10ns
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4

Regulatory Compliance

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