

TECHSPEC® 12.0mm Diameter x -18 FL, NIR I Coated, Plano-Concave Lens



Stock **#49-527** ☐ **In Stock**
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1 **C\$58.80**

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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
Numerical Aperture NA: 0.33
Coating: NIR I (600-1050nm)
Type: Plano-Concave Lens
Wavelength Range (nm): 600 - 1050
Back Focal Length BFL (mm): -19.95
Bevel: Protective bevel as needed
Center Thickness CT (mm): 3.50
Center Thickness Tolerance (mm): ±0.05
Centering (arcmin): <1
Clear Aperture CA (mm): 11.00
Coating Specification: R_{avg} ≤0.5% @ 600 - 1050nm
Edge Thickness ET (mm): 4.70
Focal Length Specification Wavelength (nm): 587.6
Focal Length Tolerance (%): ±1
Radius R₁ (mm): -14.12
Surface Quality: 40-20
Damage Threshold, By Design: 7 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