

TECHSPEC® 12.0mm Dia. x 42.0mm FL, VIS-NIR Coated, Plano-Convex Lens



Stock **#45-485** ☐ In Stock
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1 **C\$61.60**

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Diameter (mm):
12.00 +0.0/-0.025

Effective Focal Length EFL (mm):
42.00 @ 587.6nm

Back Focal Length BFL (mm): 40.22
Coating: VIS-NIR (400-1000nm)
Coating Specification: R _{abs} ≤0.25% @ 880nm R _{avg} ≤1.25% @ 400 - 870nm R _{avg} ≤1.25% @ 890 - 1000nm
Substrate: ☐ N-BK7
Surface Quality: 40-20
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4
Focal Length Tolerance (%): ±1
Centering (arcmin): <1
Center Thickness CT (mm): 2.70 ±0.05
Edge Thickness ET (mm): 1.85
Radius R₁ (mm): 21.71
Clear Aperture CA (mm): 11
f#: 3.5
Numerical Aperture NA: 0.14
Type: Plano-Convex Lens
Bevel: Protective bevel as needed
Wavelength Range (nm): 400 - 1000
Damage Threshold, By Design: ☐ 5 J/cm ² @ 532nm, 10ns

Regulatory Compliance

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