

TECHSPEC®

12.7mm Dia. x 44.5mm FL, MgF₂ Coated, Plano-Convex Lens



Stock **#49-860** 3-5 DAYS

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- 1 +

A\$54.40

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Qty 1-9
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Qty 10+
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Diameter (mm):
12.70 +0.0/-0.025

Effective Focal Length EFL (mm):
44.50 @ 587.6nm

Back Focal Length BFL (mm): 42.69
Coating: MgF ₂ (400-700nm)
Coating Specification: R _{avg} ≤1.75% @ 400 - 700nm
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): 2.75 ±0.10
Edge Thickness ET (mm): 1.86
Radius R₁ (mm): 23.00
Clear Aperture CA (mm): 11.7
f/#: 3.5
Numerical Aperture NA: 0.14
Type: Plano-Convex Lens
Bevel: Protective bevel as needed
Wavelength Range (nm): 400 - 700
Damage Threshold, By Design: ☐ 10 J/cm ² @ 532nm, 10ns

Regulatory Compliance

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