

TECHSPEC® 25.0mm Diameter x -100 FL, MgF₂ Coated, Plano-Concave Lens



Stock **#45-027** ☐ In Stock
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1 **C\$53.20**

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Qty 1-9
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Diameter (mm):
25.00 +0.0/-0.025

Effective Focal Length EFL (mm):
-100.00

Substrate: N-BK7
f/#: 4.00
Numerical Aperture NA: 0.13
Coating: MgF₂ (400-700nm)
Type: Plano-Concave Lens
Wavelength Range (nm): 400 - 700
Back Focal Length BFL (mm): -102.31
Bevel: Protective bevel as needed
Center Thickness CT (mm): 3.50
Center Thickness Tolerance (mm): ±0.10
Centering (arcmin): <1
Clear Aperture CA (mm): 24.00
Coating Specification: R_{avg} ≤1.75% @ 400 - 700nm
Edge Thickness ET (mm): 4.96
Focal Length Specification Wavelength (nm): 587.6
Focal Length Tolerance (%): ±1
Radius R₁ (mm): -51.68
Surface Quality: 40-20
Damage Threshold, Reference: 10 J/cm² @ 532nm, 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