

TECHSPEC® 3.0mm Dia. x 4.5mm FL, MgF₂ Coated, Plano-Convex Lens



Stock **#45-142** ☐ **In Stock**
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1 **C\$79.80**

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Qty 1-9
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Diameter (mm):
3.00 +0.0/-0.025

Effective Focal Length EFL (mm):
4.50 @ 587.6nm

Back Focal Length BFL (mm): 3.50
Coating: MgF ₂ (400-700nm)
Coating Specification: R _{avg} ≤1.75% @ 400 - 700nm
Substrate: ☐ N-LASF44
Surface Quality: 20-10
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4
Focal Length Tolerance (%): ±1
Centering (arcmin): 30-45, typical
Center Thickness CT (mm): 1.80 ±0.05
Edge Thickness ET (mm): 1.47
Radius R₁ (mm): 3.62
Clear Aperture CA (mm): 2.5
f/#: 1.5
Numerical Aperture NA: 0.33
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