

TECHSPEC®

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



Stock **#45-144** ☐ In Stock
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-

1

+

€52,00

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Qty 1-9
€52,00
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€46,75
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ⓘ Prices shown are exclusive of VAT/local taxes

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Diameter (mm):
4.50 +0.0/-0.025

Effective Focal Length EFL (mm):

4.50 @ 587.6nm
Back Focal Length BFL (mm): 3.05
Coating: MgF ₂ (400-700nm)
Coating Specification: R _{avg} ≤ 1.75% @ 400 - 700nm
Substrate: ☐ N-LASF44
Surface Quality: 40-20
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): 2.59 ± 0.05
Edge Thickness ET (mm): 1.80
Radius R₁ (mm): 3.61
Clear Aperture CA (mm): 4.05
f/#: 1
Numerical Aperture NA: 0.50
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
Reach 209: Compliant
Certificate of Conformance: View