

TECHSPEC® 18.0mm Dia. x 50.0mm FL, MgF₂ Coated, Plano-Convex Lens



Stock **#38-253** 3-4 DAYS

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- 1 + **€34,50**

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Qty 1-9
€34,50
Qty 10+
€31,00
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ⓘ Prices shown are exclusive of VAT/local taxes

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Diameter (mm):
18.00 +0.0/-0.025

Effective Focal Length EFL (mm):

50.00 @ 587.6nm
Back Focal Length BFL (mm): 48.09
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): 2.90 ± 0.10
Edge Thickness ET (mm): 1.28
Radius R₁ (mm): 25.84
Clear Aperture CA (mm): 17
f/#: 2.78
Numerical Aperture NA: 0.18
Type: Plano-Convex Lens
Bevel: Protective bevel as needed
Wavelength Range (nm): 400 - 700
Damage Threshold, Reference: ☐ 10 J/cm ² @ 532nm, 10ns

Regulatory Compliance

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