

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



Stock **#38-253** 3-5 DAYS

[Other Coating Options](#)



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A\$55.20

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Qty 1-9
A\$55.20
Qty 10+
A\$49.60
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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