

TECHSPEC®

12mm Dia. x -18mm FL, MgF₂ Coated, Double-Concave Lens



Stock #48-937

3-4 DAYS

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1

+

£31.02

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Diameter (mm):
12.00 +0.0/-0.025

Effective Focal Length EFL (mm):

-18.00
Substrate: ☐ N-BK7
f#: 1.5
Numerical Aperture NA: 0.33
Coating: MgF₂ (400-700nm)
Type: Double-Concave Lens
Wavelength Range (nm): 400 - 700
Back Focal Length BFL (mm): -18.65
Bevel: Protective bevel as needed
Center Thickness CT (mm): 2.00
Center Thickness Tolerance (mm): ±0.05
Centering (arcmin): <1
Clear Aperture CA (mm): 11.0
Coating Specification: R_{avg} ≤1.75% @ 400 - 700nm
Edge Thickness ET (mm): 3.76
Focal Length Specification Wavelength (nm): 587.6
Focal Length Tolerance (%): ±1
Radius R₁=R₂ (mm): -18.94
Surface Quality: 40-20
Damage Threshold, By Design: ☐ 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