

TECHSPEC[®] 12.0mm Diameter x -15 FL, MgF₂ Coated, Plano-Concave Lens



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1

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£30.18

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Diameter (mm):
12.00 +0.0/-0.025

Effective Focal Length EFL (mm):

-15.00
Substrate: ☐ NSF11
f#: 1.25
Numerical Aperture NA: 0.40
Coating: MgF₂ (400-700nm)
Type: Plano-Concave Lens
Wavelength Range (nm): 400 - 700
Back Focal Length BFL (mm): -16.68
Bevel: Protective bevel as needed
Center Thickness CT (mm): 3.00
Center Thickness Tolerance (mm): ±0.05
Centering (arcmin): <1
Clear Aperture CA (mm): 11.00
Coating Specification: R_{avg} ≤1.75% @ 400 - 700nm
Edge Thickness ET (mm): 4.47
Focal Length Specification Wavelength (nm): 587.6
Focal Length Tolerance (%): ±1
Radius R₁ (mm): -11.77
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