

TECHSPEC® 12.0mm Diameter x -48 FL, MgF₂ Coated, Plano-Concave Lens



Stock **#45-019** ☐ In Stock
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1 **C\$49.70**

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Qty 1-9
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Diameter (mm):
12.00 +0.0/-0.025

Effective Focal Length EFL (mm):
-48.00

Substrate: N-BK7
f/#: 4.00
Numerical Aperture NA: 0.13
Coating: MgF ₂ (400-700nm)
Type: Plano-Concave Lens
Wavelength Range (nm): 400 - 700
Back Focal Length BFL (mm): -50.31
Bevel: Protective bevel as needed
Center Thickness CT (mm): 3.50
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): 4.12
Focal Length Specification Wavelength (nm): 587.6
Focal Length Tolerance (%): ±1
Radius R₁ (mm): -24.81
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
Reach 219: Compliant
Certificate of Conformance: View