

TECHSPEC® 12.5mm Dia. x 45mm FL, VIS-NIR Coated, Achromatic Lens



Stock **#49-327** ☐ In Stock
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1 **C\$120.40**

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Diameter (mm):
12.50 +0.0/-0.025

Effective Focal Length EFL (mm):
45.00

Focal Length Tolerance (%) : ±1
Back Focal Length BFL (mm) : 42.52
Focal Length Specification Wavelength (nm) : 587.6
Clear Aperture CA (mm) : 11.50
Centering (arcmin) : <1
Center Thickness CT (mm) : 5.00 ±0.10
Center Thickness CT 1 (mm) : 3.50 ±0.05
Center Thickness CT 2 (mm) : 1.50 ±0.05
Radius R₁ (mm) : 26.82
Radius R₂ (mm) : -20.12
Radius R₃ (mm) : -61.38
Edge Thickness ET (mm) : 3.94
Substrate : ☐ N-BK7 / N-SF5
Surface Quality : 40-20
f/# : 3.6
Numerical Aperture NA : 0.14
Coating : VIS-NIR (400-1000nm)
Coating Specification : R _{abs} ≤0.25% @ 880nm R _{avg} ≤1.25% @ 400 - 870nm R _{avg} ≤1.25% @ 890 - 1000nm
Power (P-V) @ 632.8nm : 1.5λ
Irregularity (P-V) @ 632.8nm : λ/4
Bevel : Protective bevel as needed
Type : Achromatic Lens
Wavelength Range (nm) : 400 - 1000

Regulatory Compliance

RoHS 2015 : Compliant
Reach 219 : Compliant
Certificate of Conformance : View