

TECHSPEC®

50mm Dia x 50mm FL 8-12μm Coated, Ge Aspheric Lens



Stock **#87-998** ☐ In Stock
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1

+

C\$2,643.20

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Diameter (mm):
50.00 +0.0/-0.1

Effective Focal Length EFL (mm):
50.00 @4000nm

Numerical Aperture NA:
0.50

Back Focal Length BFL (mm):

45.92
Substrate: Germanium (Ge)
Aspheric Design Wavelength (nm): 4000
Asphere Figure Error, RMS @ 632.8nm: λ/6
Coating: BBAR (8000-12000nm)
Coating Specification: R _{avg} <3.0% @ 8 - 12μm
Centering (arcmin): ≤5
Surface Quality: 60-40
Clear Aperture CA (mm): 45
Edge Thickness ET (mm): 2.52
Center Thickness CT (mm): 5.10 ±0.10
f/#: 1.00
Bevel: Protective bevel as needed
Edges: Diamond Turned
Radius R₂ (mm): 62.38
Shape of Back Surface: Concave
Type: Aspheric Lens
Wavelength Range (nm): 8000 - 12000
Conjugate Distance: Infinite

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View
Reach 235: Compliant