

TECHSPEC®

50.8mm Dia x 101.6mm FL, 532nm V-Coat, High Precision Laser Grade Aspheric Lens



High Precision Laser Grade Aspheric Lenses

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Diameter (mm):
50.80 +0.00/-0.05

Effective Focal Length EFL (mm):
101.60 @532nm

Numerical Aperture NA:
0.25

Back Focal Length BFL (mm): 93.95
Substrate: ☐ Fused Silica (Coming 7980)
Aspheric Design Wavelength (nm): 532
Asphere Figure Error, RMS @ 632.8nm: λ/40
Coating: Laser V-Coat (532nm)
Coating Specification: R _{abs} <0.25% @ 532nm
Centering (arcmin): <1
Surface Quality: 10-5
Clear Aperture CA (mm): 46.80
Edge Thickness ET (mm): 4.10
Center Thickness CT (mm): 11.20
f/#: 2
Bevel: Protective bevel as needed
Shape of Back Surface: Plano
Type: Aspheric Lens
Strehl Ratio: >0.8
Spot Size (μm): See Technical Information Tab
Conjugate Distance: Infinite
Note: Strehl Ratio is >0.8 by design and tested
Damage Threshold, By Design: ☐ 10 J/cm ² @ 532nm, 20ns, 20Hz
Power (diopters): 9.84

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View