

TECHSPEC[®] 2mm Dia. x 9mm FL, VIS-NIR Coated, Achromatic Lens



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Diameter (mm):
2.00 +0.0/-0.025

Effective Focal Length EFL (mm):
9.00

Focal Length Tolerance (%):
±1

Back Focal Length BFL (mm): 8.00
Focal Length Specification Wavelength (nm): 587.6
Clear Aperture CA (mm): 1.6
Centering (arcmin): <3
Center Thickness CT (mm): 2.00 ±0.10
Center Thickness CT 1 (mm): 1.00 ±0.05
Center Thickness CT 2 (mm): 1.00 ±0.05
Radius R ₁ (mm): 5.38
Radius R ₂ (mm): -5.38
Radius R ₃ (mm): -20.79
Edge Thickness ET (mm): 1.88
Substrate:  N-PSK53A / N-LASF9
Surface Quality: 20-10
f/#: 4.5
Numerical Aperture NA: 0.11
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

Reach 181: Compliant
RoHS 2015: Compliant
Certificate of Conformance: View