

LightPath 390093 | 9.25mm Dia., 0.71 NA, BBAR (1800-3000nm), Mounted IR Aspheric Lens

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Diameter (mm):
9.25 ±0.10

Effective Focal Length EFL (mm):
3.00 @ 7800nm

Numerical Aperture NA:
0.71

Substrate: ☐
Black Diamond™ BD-2 (Ge₂₈Sb₁₂Se₆₀)

Aspheric Design Wavelength (nm): 7800
Coating: BBAR (1800-3000nm)
Coating Specification: R _{avg} <1.0% @ 1.8 - 3.0μm
Surface Quality: 80-50
Clear Aperture CA (mm): 5.00
Center Thickness CT (mm): 2.62
f/#: 0.7
Bevel: Protective bevel as needed
Density (g/cm³): 4.68
Index of Refraction n_d @ 10μm: 2.6023
Index of Refraction n_d @ 14μm: 2.5843
Index of Refraction n_d @ 4μm: 2.6210
Index of Refraction n_d @ 5μm: 2.6173
Lightpath Lens Code: 390093
Mount: Stainless Steel, MØ x0.5 Thread
Thermo-optic coefficient dn/dT: 70 x 10 ⁻⁶ /°C from -40° to +80°C (5 - 14 μm)
Transformation Temperature (°C): 285.00
Type: Aspheric Lens
Wavelength Range (nm): 1800 - 3000
Working Distance (mm): 2.35
Conjugate Distance: Infinite

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View
Reach 233: Compliant