

Lightpath 7100305 | 7.7mm FL, f/1.3, Thermal Imaging Lens Assembly

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Effective Focal Length EFL (mm):
7.70

Substrate: ☐
Black Diamond™ BD-6

f/#:
1.3

Coating:
BBAR (8000-12000nm)

Wavelength Range (nm):

8000 - 12000
Clear Aperture CA (mm): 5.99
Coating Specification: R _{avg} <0.75% @ 8000 - 12,000nm
Coefficient of Thermal Expansion CTE (10⁻⁶/°C): 22.5
Compatible Window: Thickness: 0.76mm Material: Si
Construction: Matte Black Anodized Aluminum Housing
Index of Refraction n_d @ 10μm: 2.7816
Index of Refraction n_d @ 14μm: 2.7683
Index of Refraction n_d @ 4μm: 2.7978
Length (mm): 11.50
Lightpath Lens Code: 7100305
Mounting Threads: M19 x 0.5
Thermo-optic coefficient dn/dT: 30.5 x 10 ⁻⁶ @ 10μm
Working Distance (mm): 10.06
Front Diameter (mm): 18.00
Thread Length (mm): 6.25
Recommended Detector Format (H x V/Pixel Size): 320 x 240 / 17μm

Regulatory Compliance

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