

Lightpath 7100331 | 5.3mm FL, f/1.3, Thermal Imaging Lens Assembly

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Effective Focal Length EFL (mm):
5.30

Substrate: ☐
Black Diamond™ BD-6

f/#:
1.3

Coating:
BBAR (8000-12000nm)

Wavelength Range (nm):
8000 - 12000

Clear Aperture CA (mm): 4.28
Coating Specification: R _{avg} <0.75% @ 8000 - 12,000nm
Coefficient of Thermal Expansion CTE (10⁻⁶/°C): 22.5
Compatible Window: Thickness: 0.70mm 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): 7.25
Lightpath Lens Code: 7100331
Mounting Threads: M12 x 0.5
Thermo-optic coefficient dn/dT: 30.5 x 10 ⁻⁶ @ 10µm
Working Distance (mm): 7.30
Front Diameter (mm): 12.00
Thread Length (mm): 3.75
Recommended Detector Format (H x V/Pixel Size): 320 x 240 / 12µm

Regulatory Compliance

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