

Lightpath 7100380 | 2.7mm FL, f/1.3, Thermal Imaging Lens Assembly

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Effective Focal Length EFL (mm):
2.70

Substrate: ☐
Black Diamond™ BD-6

f/#:
1.3

Coating:
BBAR (8000-12000nm)

Wavelength Range (nm):
8000 - 12000

Clear Aperture CA (mm): 2.35
Coating Specification: R _{avg} <0.75% @ 8000 - 12,000nm
Coefficient of Thermal Expansion CTE (10⁻⁶/°C): 22.5
Compatible Window: Thickness: 0.65mm 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): 5.00
Lightpath Lens Code: 7100380
Mounting Threads: M10 x 0.5
Thermo-optic coefficient dn/dT: 30.5 x 10 ⁻⁶ @ 10µm
Working Distance (mm): 3.64
Front Diameter (mm): 10.00
Thread Length (mm): 5.00
Recommended Detector Format (H x V/Pixel Size): 80 x 80 / 34µm

Regulatory Compliance

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