

TECHSPEC® 12.7mm Dia. x 6.35mm FL, 8-12µm AR Coated, ZnSe Aspheric Lens

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TECHSPEC Zinc Selenide (ZnSe) Aspheric Lenses

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⊖ 1 ⊕

€875,00

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Diameter (mm):
12.70 +0.00/-0.10

Effective Focal Length EFL (mm):
6.35

Numerical Aperture NA: 1.00
Back Focal Length BFL (mm): 4.69
Substrate:  Coherent® Infrared ZnSe
Asphere Figure Error, RMS @ 632.8nm: $\lambda/2$
Coating: BBAR (8000-12000nm)
Coating Specification: $R_{avg} < 0.5\%$ @ 8 - 12 μ m
Centering (arcmin): ≤ 20
Centering, ETD (μm): ≤ 50.8
Surface Quality: 40-20
Clear Aperture CA (mm): 11.43
Edge Thickness ET (mm): 1.89
Center Thickness CT (mm): 4.00 $\pm$ 0.10
f#: 0.5
Bevel: Protective bevel as needed
Shape of Back Surface: Plano
Type: Aspheric Lens
Wavelength Range (nm): 8000 - 12000
Conjugate Distance: Infinite
Surface Roughness (Angstroms): < 50 RMS
Power (P-V) @ 10.6μm: $\lambda/10$
Power (P-V) @ 632.8nm: $\lambda/10$

Regulatory Compliance

RoHS 2015: Compliant
Reach 224: Compliant
Certificate of Conformance: View