

TECHSPEC® 50.8mm Dia. x 100mm FL, Uncoated, ZnSe Plano-Convex Lens

See More by [Coherent®](#)



TECHSPEC Zinc Selenide (ZnSe) Plano-Convex (PCX) Lenses

Stock **#39-539** [CONTACT US](#)

[Other Coating Options](#)

- 1 + **£821.10**

ADD TO CART

Qty 1-10

£821.10

Qty 11+

£738.99

Volume Pricing

[Request Quote](#)

ⓘ Prices shown are exclusive of VAT/local taxes

Get Product Downloads



Diameter (mm):
50.80 +0.00/-0.10

Effective Focal Length EFL (mm):
100.00 @ 10.6µm

Back Focal Length BFL (mm): 98.09
Coating: Uncoated
Substrate:  Coherent® Infrared ZnSe
Surface Quality: 40-20
Power (P-V) @ 632.8nm: λ
Power (P-V) @ 10.6μm: λ10
Irregularity (P-V) @ 10.6μm: λ20
Centering, ETD (μm): ≤12.7
Center Thickness CT (mm): 4.60 ±0.10
Edge Thickness ET (mm): 2.28
Radius R₁ (mm): 140.27
Clear Aperture CA (mm): 45.72
f#: 1.97
Numerical Aperture NA: 0.25
Type: Plano-Convex Lens
Bevel: Protective bevel as needed
Wavelength Range (nm): 600 - 18000
Bulk Absorption Coefficient (cm⁻¹): <0.0005 @ 10.6μm
Surface Roughness (Angstroms): <50 RMS

Regulatory Compliance

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