

TECHSPEC®

25mm Dia. x 75.6mm FL, UV-AR Coated, UV Double-Convex Lens



UV Fused Silica Double-Convex (DCX) Lenses



Stock **#48-307** ☐ In Stock

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1

C\$209.30

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Qty 1-5

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Diameter (mm):
25.00 +0.0/-0.025

Back Focal Length BFL (mm):

73.91
Effective Focal Length EFL (mm): 75.60
Coating: UV-AR (250-425nm)
Coating Specification: R _{abs} ≤1.0% @ 250 - 425nm R _{avg} ≤0.75% @ 250 - 425nm R _{avg} ≤0.5% @ 370 - 420nm
Substrate:  Fused Silica (Corning 7980)
Surface Quality: 40-20
Power (P-V) @ 632.8nm: 1.5λ
Irregularity (P-V) @ 632.8nm: λ/4
Centering (arcmin): <1
Bevel: Protective bevel as needed
Center Thickness CT (mm): 4.87 ±0.10
Edge Thickness ET (mm): 2.57
Radius R₁=R₂ (mm): 68.55
Clear Aperture CA (mm): 24.00
f/#: 3.02
Focal Length Specification Wavelength (nm): 587.6
Focal Length Tolerance (%): ±1
Numerical Aperture NA: 0.17
Type: Double-Convex Lens
Wavelength Range (nm): 250 - 425
Damage Threshold, Reference:  3 J/cm ² @ 355nm, 10ns

Regulatory Compliance

RoHS 2015: Compliant
Certificate of Conformance: View
Reach 235: Compliant