

TECHSPEC®

9mm Dia. x 18mm FL, UV-AR Coated, UV Double-Convex Lens



UV Fused Silica Double-Convex (DCX) Lenses



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- 1 +

C\$193.20

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Diameter (mm):
9.00 +0.0/-0.025

Back Focal Length BFL (mm):

17.09
Effective Focal Length EFL (mm): 18.00
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): 2.60 ±0.05
Edge Thickness ET (mm): 1.32
Radius R ₁ =R ₂ (mm): 16.09
Clear Aperture CA (mm): 8.1
f/#: 2.00
Focal Length Specification Wavelength (nm): 587.6
Focal Length Tolerance (%): ±1
Numerical Aperture NA: 0.25
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