

TECHSPEC[®] 18mm Dia. x 40mm, UV-VIS Coated, UV Double-Convex Lens



UV Fused Silica Double-Convex (DCX) Lenses



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1

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A\$236.00

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Diameter (mm):
18.00 +0.0/-0.025

Back Focal Length BFL (mm):

38.50
Effective Focal Length EFL (mm): 40.00
Coating: UV-VIS (250-700nm)
Coating Specification: R _{abs} ≤1.0% @ 350 - 450nm R _{avg} ≤1.5% @ 250 - 700nm
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): 4.29 ±0.10
Edge Thickness ET (mm): 2.00
Radius R₁=R₂ (mm): 35.99
Clear Aperture CA (mm): 17.00
f#: 2.22
Focal Length Specification Wavelength (nm): 587.6
Focal Length Tolerance (%): ±1
Numerical Aperture NA: 0.23
Type: Double-Convex Lens
Wavelength Range (nm): 250 - 700
Damage Threshold, Reference: ☐ 3 J/cm ² @ 355nm, 10ns 5 J/cm ² @ 532nm, 10ns

Regulatory Compliance

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