

TECHSPEC®

18mm Dia. x 20mm FL, VIS-NIR Coated, UV Double-Convex Lens



UV Fused Silica Double-Convex (DCX) Lenses



Stock #63-835 10 TO 12 DAYS

[Other Coating Options](#)

-

1

+

₹12,833.00

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Qty 1-5

₹12,833.00

Qty 6+

₹10,266.00

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Diameter (mm):
18.00 +0.0/-0.025

Back Focal Length BFL (mm):

17.18
Effective Focal Length EFL (mm): 20.00
Coating: VIS-NIR (400-1000nm)
Coating Specification: R _{abs} ≤0.25% @ 880nm R _{avg} ≤1.25% @ 400 - 870nm R _{avg} ≤1.25% @ 890 - 1000nm
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): 7.64 ±0.10
Edge Thickness ET (mm): 2.50
Radius R₁=R₂ (mm): 17.05
Clear Aperture CA (mm): 17.00
f/#: 1.11
Focal Length Specification Wavelength (nm): 587.6
Focal Length Tolerance (%): ±1
Numerical Aperture NA: 0.45
Type: Double-Convex Lens
Wavelength Range (nm): 400 - 1000
Damage Threshold, Reference:  5 J/cm ² @ 532nm, 10ns

Regulatory Compliance

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