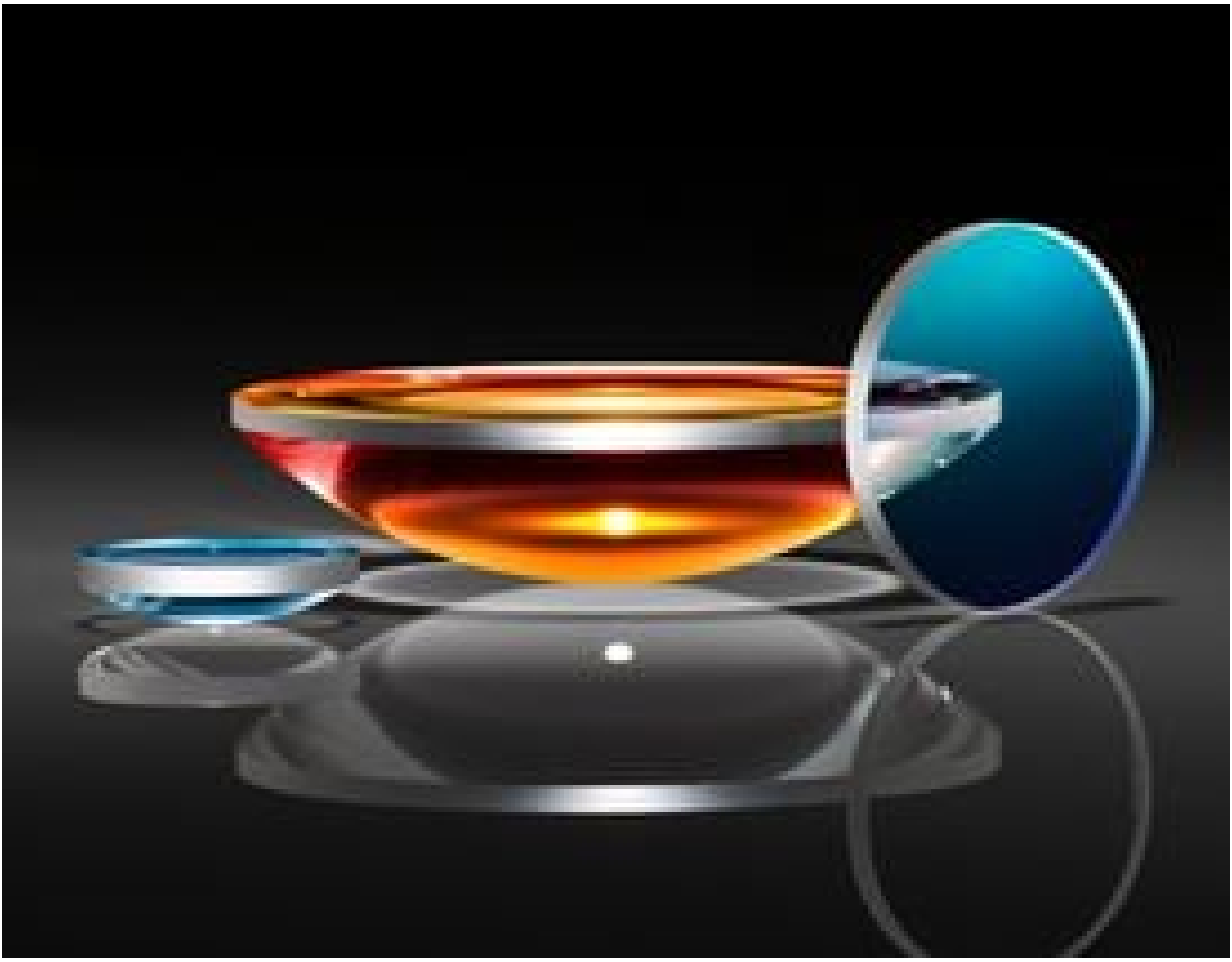
TECHSPEC® 20mm Dia. x 40mm FL, NIR II Coated, Plano-Convex Lens



UV Fused Silica Plano-Convex (PCX) Lenses

Stock **#18-161** 3-4 DAYS

- 1 + **£131.75**

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Qty 1-5
£131.75

Qty 6+
£105.40

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Prices shown are exclusive of VAT/local taxes

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Diameter (mm):
20.00 -0.025

Effective Focal Length EFL (mm):

40.00 @ 587.6nm

Back Focal Length BFL (mm):
36.92

Coating:
NIR II (750-1550nm)

Coating Specification:
R_{abs} ≤1.5% @ 750 - 800nm
R_{abs} ≤1.0% @ 800 - 1550nm
R_{avg} ≤0.7% @ 750 - 1550nm

Substrate:
Fused Silica (Corning 7980)

Surface Quality:
40-20

Power (P-V) @ 632.8nm:
3 Rings

Irregularity (P-V) @ 632.8nm:
0.5 Rings

Focal Length Tolerance (%):
±1

Centering (arcmin):
<1

Center Thickness CT (mm):
4.50 ±0.10

Edge Thickness ET (mm):
1.53

Radius R_1 (mm):
18.34

Clear Aperture CA (mm):
19

f/#:
2

Numerical Aperture NA:
0.25

Type:
Plano-Convex Lens

Bevel:
Protective bevel as needed

Wavelength Range (nm):
750 - 1550

Damage Threshold, By Design:
8 J/cm^2 @ 1064nm, 10ns

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 235:
Compliant