# TECHSPEC® 18.0mm Dia. x 36.0mm FL, NIR II Coated, Plano-Convex Lens

Stock **#67-528** In Stock

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**Diameter (mm):**
18.00 +0.0/-0.025

**Effective Focal Length EFL (mm):**

36.00 @ 587.6nm

**Back Focal Length BFL (mm):**
33.65

**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:**
N-BK7

**Surface Quality:**
40-20

**Power (P-V) @ 632.8nm:**
1.5λ

**Irregularity (P-V) @ 632.8nm:**
λ/4

**Focal Length Tolerance (%):**
±1

**Centering (arcmin):**
<1

**Center Thickness CT (mm):**
3.57 ±0.10

**Edge Thickness ET (mm):**
1.25

**Radius $R_1$ (mm):**
18.62

**Clear Aperture CA (mm):**
17

**f/#:**
2

**Numerical Aperture NA:**
0.25

**Type:**
Plano-Convex Lens

**Bevel:**
Protective bevel as needed

**Wavelength Range (nm):**
750 - 1550

**Damage Threshold, Reference:**
8 J/cm$^2$ @ 1064nm, 10ns

## Regulatory Compliance

**RoHS 2015:**
Compliant

**Certificate of Conformance:**
View

**Reach 235:**
Compliant