

TECHSPEC[®] 12.5mm Dia. x 17.5mm FL, VIS-EXT, Inked, Plano-Convex Lens



Plano-Convex Lens	
Physical & Mechanical Properties	
12.50 ±0.025	Diameter (mm):
<1	Centering (arcmin):
3.80 ±0.05	Center Thickness CT (mm):
1.29	Edge Thickness ET (mm):
11.5	Clear Aperture CA (mm):
Protective as needed	Bevel:
Optical Properties	
17.50 @ 587.6nm	Effective Focal Length EFL (mm):
15.00	Back Focal Length BFL (mm):
VIS-EXT (350-700nm)	Coating:
R _{avg} <0.5% @ 350 - 700nm	Coating Specification:
N-BK7	Substrate:
40-20	Surface Quality:
1.5λ	Power (P-V) @ 632.8nm:
λ/4	Irregularity (P-V) @ 632.8nm:
±1	Focal Length Tolerance (%):
9.05	



N-BK7

Uncoated N-BK7 Typical Transmission



Typical transmission

2004006008001000120014001600 Wavelength (nm)		
N-BK7 with VIS 0° Coating Typical Transmission 100 95 90 85 80 75 70 200 400 600 800 1000 1200 Typical transmission of a 3mm thick N-BK7 window with VIS 0° (425-675nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{avg} \leq 0.4\% \text{ @ } 425 - 675\text{nm}$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data		
N-BK7 with YAG-BBAR Coating Typical Transmission 100 95 90 85 80 75 70		

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Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

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