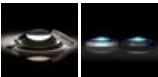


TECHSPEC<sup>®</sup> 15.0mm Dia. x 25.0mm FL, VIS 0° Coated, Plano-Convex Lens



Stock **#38-311** 4 In Stock

☐ Other Coating Options

-

1

+

₹3,348

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | ₹3,348 each                   |
| Qty 10-24      | ₹2,997 each                   |
| Qty 25-49      | ₹2,686 each                   |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

SPECIFICATIONS

General

Type:

|                                      |                                          |
|--------------------------------------|------------------------------------------|
| Plano-Convex Lens                    |                                          |
| Physical & Mechanical Properties     |                                          |
| 15.00 +0.0/-0.025                    | Diameter (mm):                           |
| <1                                   | Centering (arcmin):                      |
| 3.80 ±0.10                           | Center Thickness CT (mm):                |
| 1.40                                 | Edge Thickness ET (mm):                  |
| 14                                   | Clear Aperture CA (mm):                  |
| Protective as needed                 | Bevel:                                   |
| Optical Properties                   |                                          |
| 25.00 @ 587.6nm                      | Effective Focal Length EFL (mm):         |
| 22.50                                | Back Focal Length BFL (mm):              |
| VS 0° (425-675nm)                    | Coating:                                 |
| R <sub>avg</sub> ≤0.4% @ 425 - 675nm | Coating Specification:                   |
| N-BK7                                | Substrate: <div></div>                   |
| 40-20                                | Surface Quality:                         |
| 1.5λ                                 | Power (P-V) @ 632.8nm:                   |
| λ/4                                  | Irregularity (P-V) @ 632.8nm:            |
| ±1                                   | Focal Length Tolerance (%):              |
| 12.92                                | Radius R <sub>1</sub> (mm):              |
| 1.67                                 | f/#:                                     |
| 0.30                                 | Numerical Aperture NA:                   |
| 425 - 675                            | Wavelength Range (nm):                   |
| 5 J/cm² @ 532nm, 10ns                | Damage Threshold, Reference: <div></div> |
| Regulatory Compliance                |                                          |
| Compliant                            | RoHS 2015:                               |
| View                                 | Certificate of Conformance:              |
| Compliant                            | Reach 235:                               |

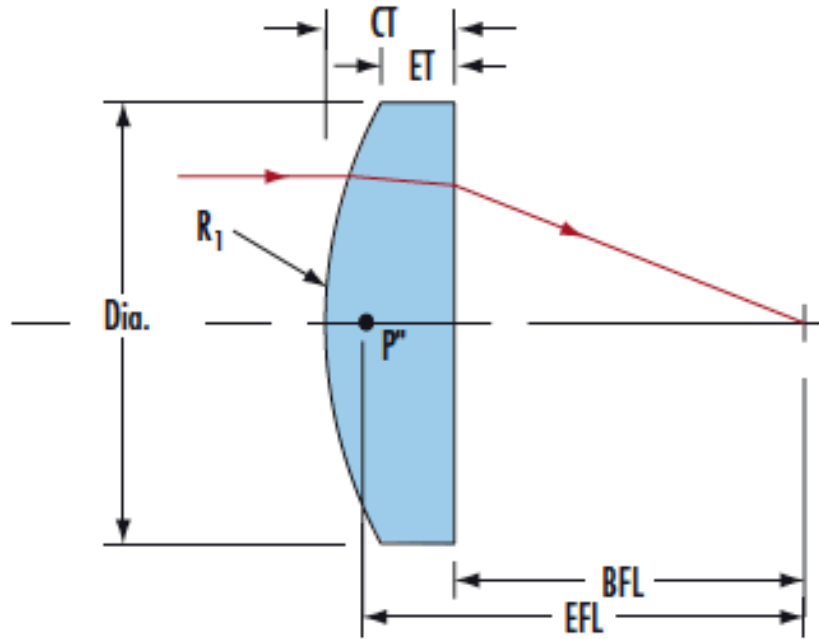
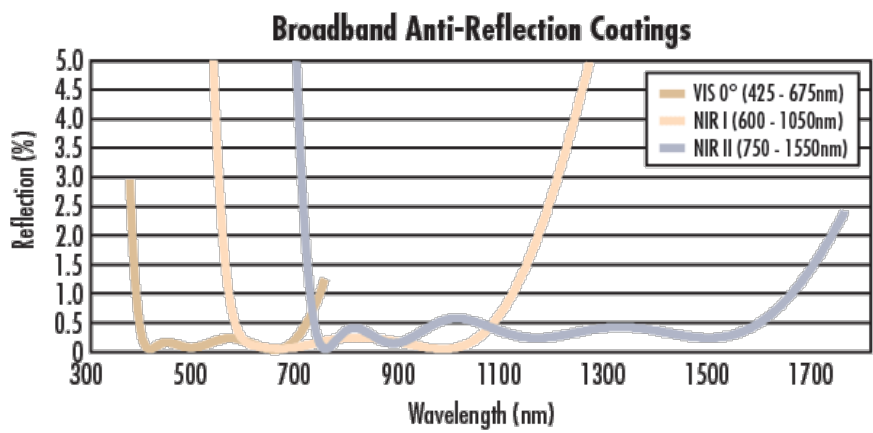
## PRODUCT DETAILS

- AR Coated to Provide <0.4% Reflectance per Surface for 425 - 675nm
- Designed for 0° Angle of Incidence
- Various PCX Coating Options: [Uncoated](#), [MgF<sub>2</sub>](#), [VIS-NIR](#), [NIR I](#), [NIR II](#), [VIS-EXT](#), and [YAG-BBAR](#)

TECHSPEC® VIS 0° Coated Plano-Convex (PCX) Lenses have a positive focal length, making them ideal for collecting and focusing light in imaging applications. They are also useful in a variety of applications involving emitters, detectors, lasers, and fiber optics. Plano-Convex lenses are ideal for a multitude of optics and photonics applications, including biotech instruments such as DNA sequencers and polymerase chain reaction (PCR) testing platforms. TECHSPEC® VIS 0° Coated Plano-Convex (PCX) Lenses are available in a wide variety of diameters and focal lengths. Identical designs of these PCX lenses are also offered [uncoated](#) or with broadband anti-reflective (BBAR) coatings, which include [MgF<sub>2</sub>](#), [VIS-NIR](#), [NIR I](#), [NIR II](#), [VIS-EXT](#), and [YAG-BBAR](#).

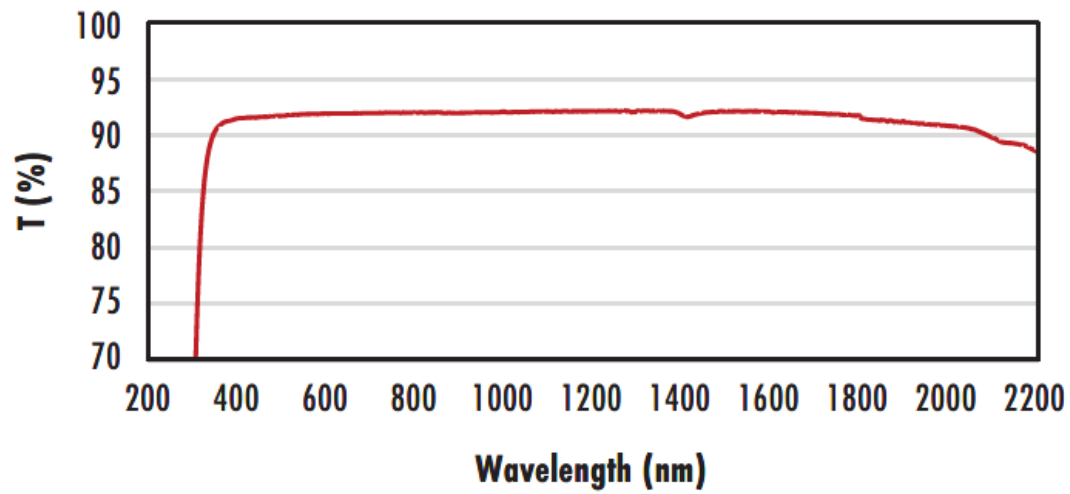
These coated lenses can be utilized in a host of optics and photonics applications, including biotech instruments such as DNA sequencers and polymerase chain reaction (PCR) testing platforms.

## TECHNICAL INFORMATION



N-BK7

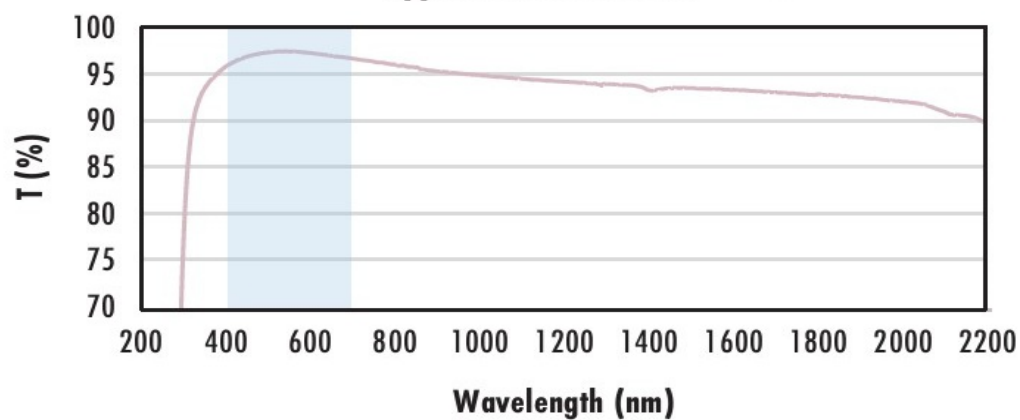
### Uncoated N-BK7 Typical Transmission



Typical transmission of a 3mm thick, uncoated N-BK7 window across the UV - NIR spectra.

[Click Here to Download Data](#)

### N-BK7 with $\text{MgF}_2$ Coating Typical Transmission



Typical transmission of a 3mm thick N-BK7 window with  $\text{MgF}_2$  (400-700nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelength range, with the following specification:

$R_{\text{avg}} \leq 1.75\% @ 400 - 700\text{nm}$  (N-BK7)

Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)

### N-BK7 with VIS-EXT Coating Typical Transmission

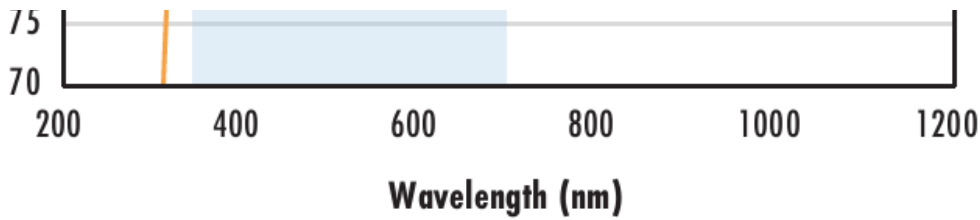


Typical transmission of a 3mm thick N-BK7 window with VIS-EXT (350-700nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelength range, with the following specification:

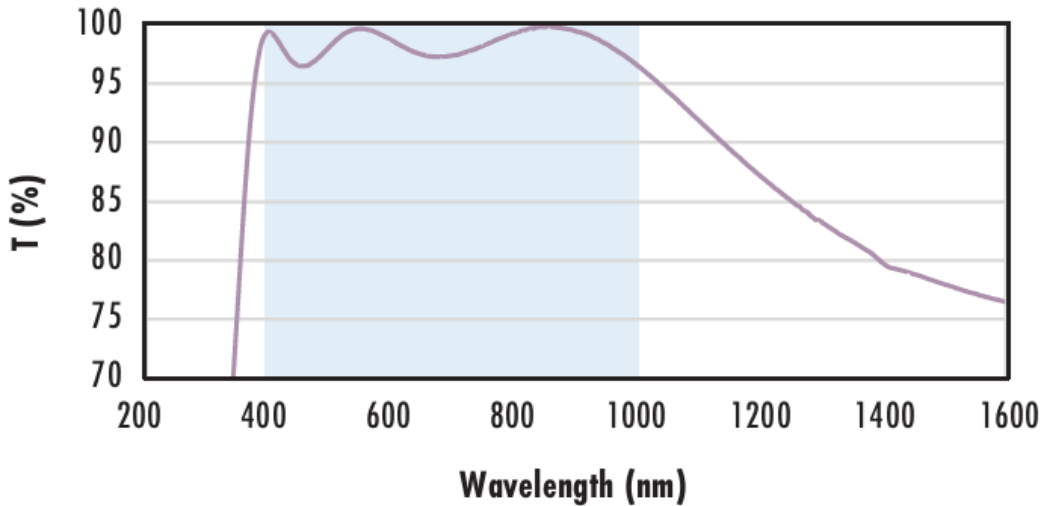
$R_{\text{avg}} \leq 0.5\% @ 350 - 700\text{nm}$

Data outside this range is not guaranteed and is for reference only.



[Click Here to Download Data](#)

**N-BK7 with VIS-NIR Coating**  
**Typical Transmission**



Typical transmission of a 3mm thick N-BK7 window with VIS-NIR (400-1000nm) coating at 0° AOI.

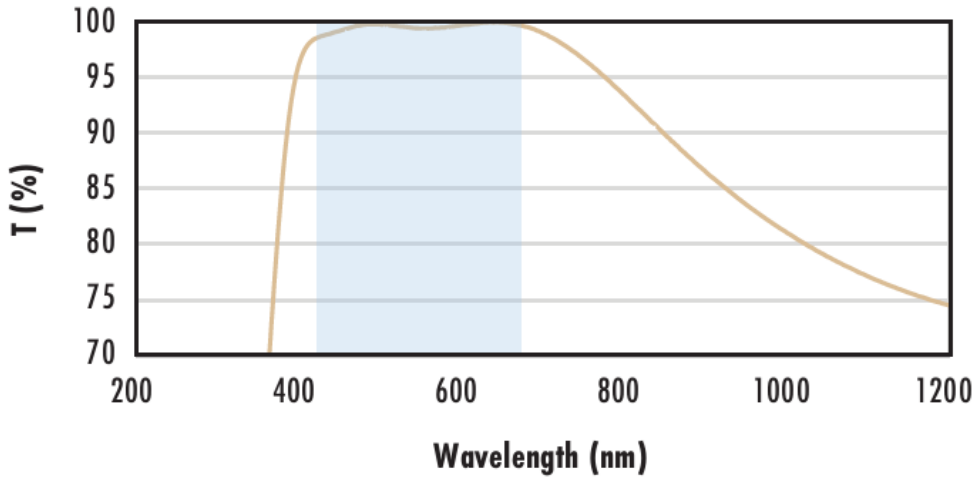
The blue shaded region indicates the coating design wavelength range, with the following specification:

$$\begin{aligned} R_{\text{abs}} &\leq 0.25\% \text{ @ } 880\text{nm} \\ R_{\text{avg}} &\leq 1.25\% \text{ @ } 400 - 870\text{nm} \\ R_{\text{avg}} &\leq 1.25\% \text{ @ } 890 - 1000\text{nm} \end{aligned}$$

Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)

**N-BK7 with VIS 0° Coating**  
**Typical Transmission**



Typical transmission of a 3mm thick N-BK7 window with VIS 0° (425-675nm) coating at 0° AOI.

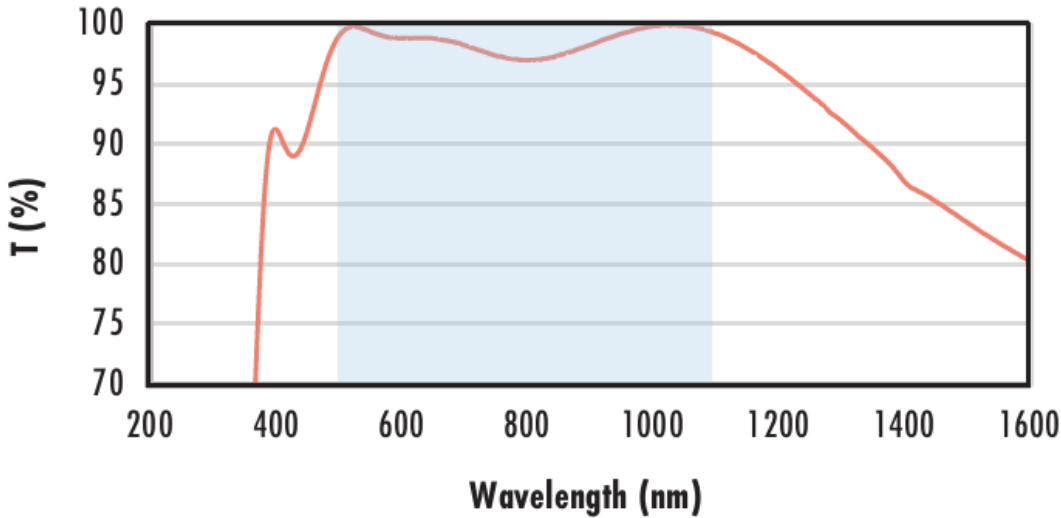
The blue shaded region indicates the coating design wavelength range, with the following specification:

$$R_{\text{avg}} \leq 0.4\% \text{ @ } 425 - 675\text{nm}$$

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**



Typical transmission of a 3mm thick N-BK7 window with YAG-BBAR (500-1100nm) coating at 0° AOI.

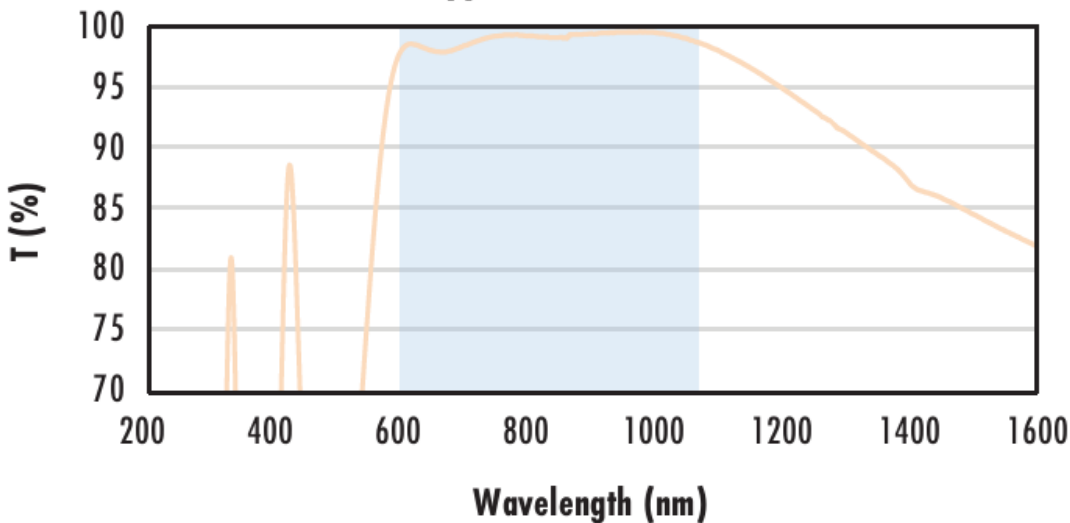
The blue shaded region indicates the coating design wavelength range, with the following specification:

$$\begin{aligned} R_{\text{abs}} &\leq 0.25\% \text{ @ } 532\text{nm} \\ R_{\text{abs}} &\leq 0.25\% \text{ @ } 1064\text{nm} \\ R_{\text{avg}} &\leq 1.0\% \text{ @ } 500 - 1100\text{nm} \end{aligned}$$

Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)

**N-BK7 with NIR I Coating**  
**Typical Transmission**



Typical transmission of a 3mm thick N-BK7 window with NIR I (600 - 1050nm) coating at 0° AOI.

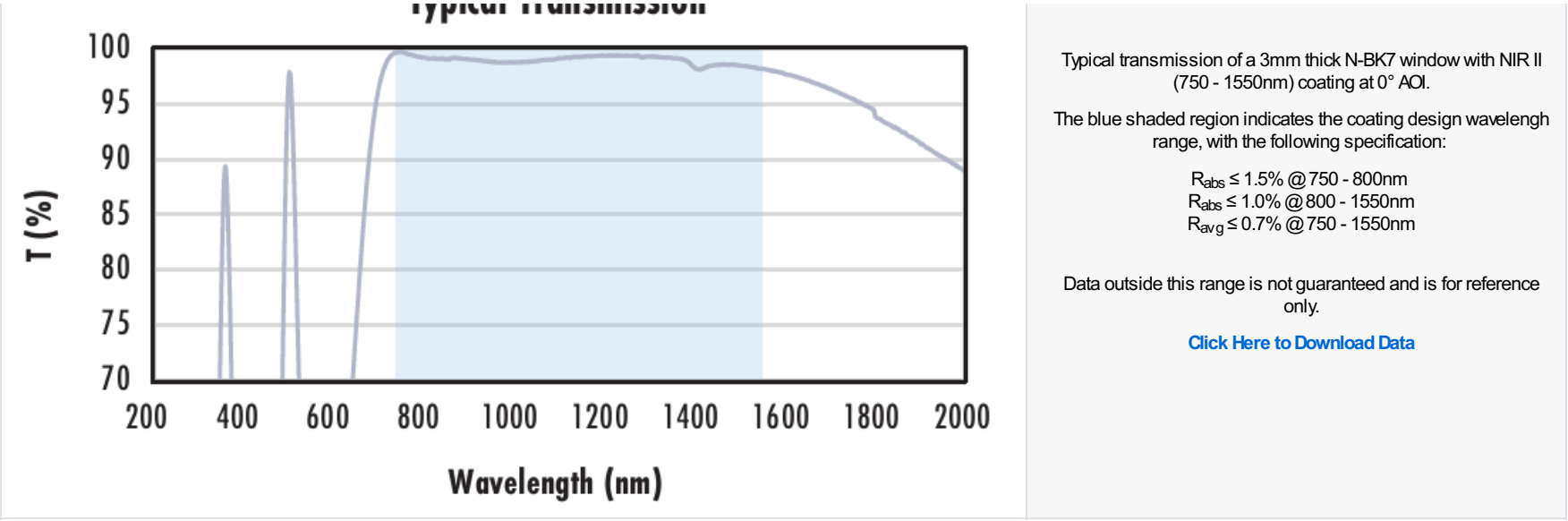
The blue shaded region indicates the coating design wavelength range, with the following specification:

$$R_{\text{avg}} \leq 0.5\% \text{ @ } 600 - 1050\text{nm}$$

Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)

**N-BK7 with NIR II Coating**  
**Typical Transmission**



## COATING CURVES

## CUSTOM

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

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

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

## COMPATIBLE MOUNTS