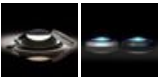


TECHSPEC<sup>®</sup> Lentille Plan-Convexe Traitée VIS-NIR, 9,0 mm de dia. x 10 mm FL



Stock **#38-486** [CONTACT](#)

[D'autres traitements](#)

-

1

+

€26<sup>.57</sup> €44,29

AJOUTER AU PANIER

| Prix sur Quantité |                                               |
|-------------------|-----------------------------------------------|
| Qté 1-9           | <del>€44,29</del> <b>€26,57</b> prix unitaire |
| Qté 10-24         | <del>€39,66</del> <b>€23,80</b> prix unitaire |
| Qté 25-49         | <del>€35,54</del> <b>€21,32</b> prix unitaire |
| Need More?        | <a href="#">Demande de Devis</a>              |

ⓘ

 Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

SPÉCIFICATIONS

Caractéristiques du produit

|                                                       |  |                                                                                                                    |
|-------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------|
| Plano-Convex Lens                                     |  | Type:                                                                                                              |
| Propriétés physiques et mécaniques                    |  |                                                                                                                    |
| Diamètre (mm):                                        |  | 9.00 +0.0/-0.025                                                                                                   |
| Centrage (arcmin):                                    |  | <3                                                                                                                 |
| Épaisseur Centrale CT (mm):                           |  | 2.70 ±0.05                                                                                                         |
| Épaisseur au Bord ET (mm):                            |  | 1.28                                                                                                               |
| Ouverture Utile CA (mm):                              |  | 8.1                                                                                                                |
| Biseau:                                               |  | Protective as needed                                                                                               |
| Propriétés optiques                                   |  |                                                                                                                    |
| Distance Focale EFL (mm):                             |  | 10.00 @ 587.6nm                                                                                                    |
| Distance Focale Arrière BFL (mm):                     |  | 8.49                                                                                                               |
| Traitement:                                           |  | VIS-NIR (400-1000nm)                                                                                               |
| Spécification du Traitement:                          |  | R <sub>abs</sub> ≤0.25% @ 880nm<br>R <sub>avg</sub> ≤1.25% @ 400 - 870nm<br>R <sub>avg</sub> ≤1.25% @ 890 - 1000nm |
| Substrat: <input type="checkbox"/>                    |  | N-SF11                                                                                                             |
| Qualité de Surface:                                   |  | 40-20                                                                                                              |
| Power (P-V) @ 632.8nm:                                |  | 1.5λ                                                                                                               |
| Irregularity (P-V) @ 632.8nm:                         |  | λ/4                                                                                                                |
| Tolérance Distance Focale (%):                        |  | ±1                                                                                                                 |
| Rayon R <sub>1</sub> (mm):                            |  | 7.85                                                                                                               |
| f/#:                                                  |  | 1.11                                                                                                               |
| Ouverture Numérique NA:                               |  | 0.45                                                                                                               |
| Gamme de Longueur d'Onde (nm):                        |  | 400 - 1000                                                                                                         |
| Damage Threshold, By Design: <input type="checkbox"/> |  | 5 J/cm <sup>2</sup> @ 532nm, 10ns                                                                                  |
|                                                       |  |                                                                                                                    |
| Conformité réglementaire                              |  |                                                                                                                    |
| RoHS 2015:                                            |  | Conforme                                                                                                           |
| Certificate of Conformance:                           |  | Visionner                                                                                                          |
| Reach 235:                                            |  | Conforme                                                                                                           |

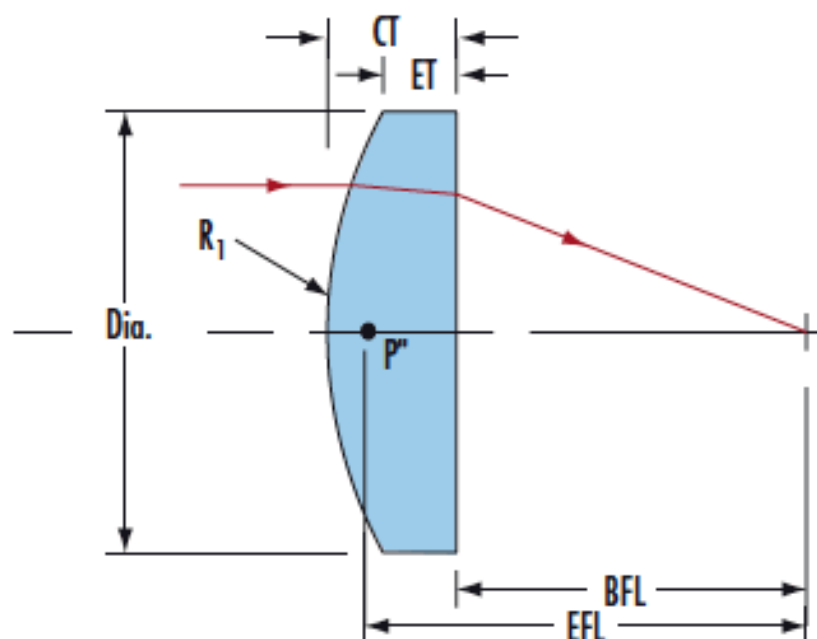
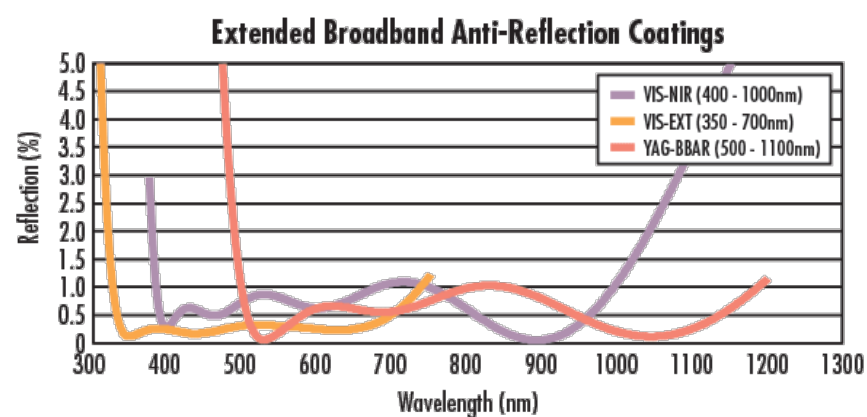
## DESCRIPTION PRODUIT

- Traitées AR pour procurer und réflectivité <1,25% par surface de 400 à 1000 nm
- <0,25% de réflectivité à 880 nm
- Conques pour un angle d'incidence de 0°
- Diverses options de traitement : [Non Traitées](#), [MgF<sub>2</sub>](#), [VIS 0°](#), [NIR I](#), [NIR II](#), [VIS-EXT](#) et [YAG-BBAR](#)

Les Lentilles Plan-Convexes (PCX) Traitées VIS-NIR TECHSPEC® possèdent une distance focale positive, les rendant idéales pour recueillir et focaliser la lumière dans des applications d'imagerie. Elles sont également utiles dans une variété d'applications impliquant les émetteurs, détecteurs, lasers et fibres optiques. Les lentilles plan-convexes sont idéales pour une multitude d'applications optiques et photoniques, y compris les instruments biotechnologiques tels que les séquenceurs d'ADN et les plates-formes de test de réaction en chaîne par polymérase (PCR). Les Lentilles Plan-Convexes (PCX) Traitées VIS-NIR TECHSPEC sont disponibles dans une grande variété de diamètres et de distances focales. Des modèles identiques de ces lentilles sont également proposés [non traités](#) ou avec des traitements antireflets à large bande (BBAR), qui comprennent [MgF<sub>2</sub>](#), [VIS 0°](#), [NIR I](#), [NIR II](#), [VIS-EXT](#) et [YAG-BBAR](#).

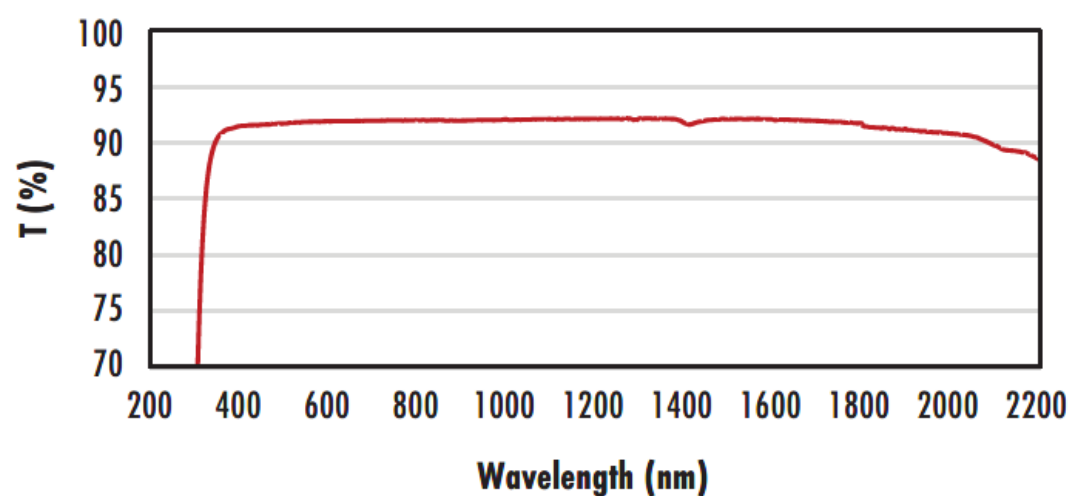
Ces lentilles traitées sont optimisées pour une large gamme d'applications optiques et photoniques, y compris les instruments biotechnologiques tels que les séquenceurs d'ADN et les plates-formes de test de réaction en chaîne par polymérase (PCR).

## INFORMATIONS TECHNIQUES



N-BK7

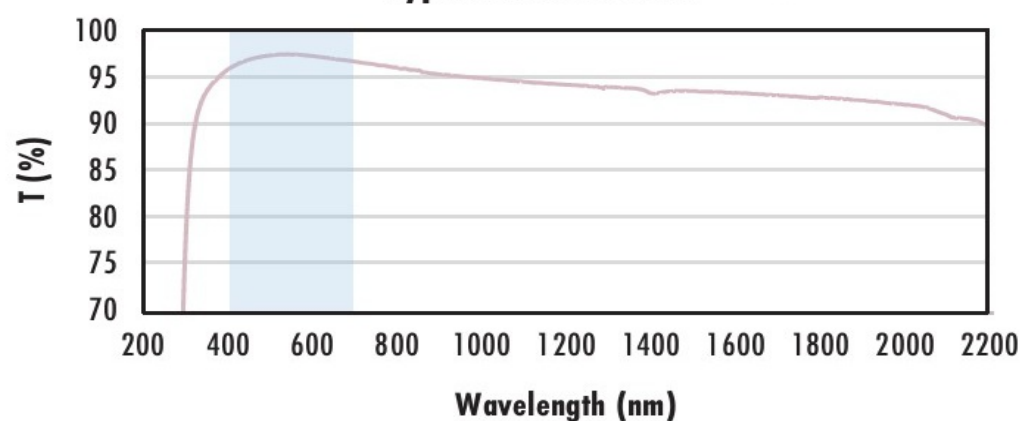
### Uncoated N-BK7 Typical Transmission



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

[Click Here to Download Data](#)

### N-BK7 with MgF<sub>2</sub> Coating Typical Transmission



Typical transmission of a 3mm thick N-BK7 window with MgF<sub>2</sub> (400-700nm) coating at 0° AOI.

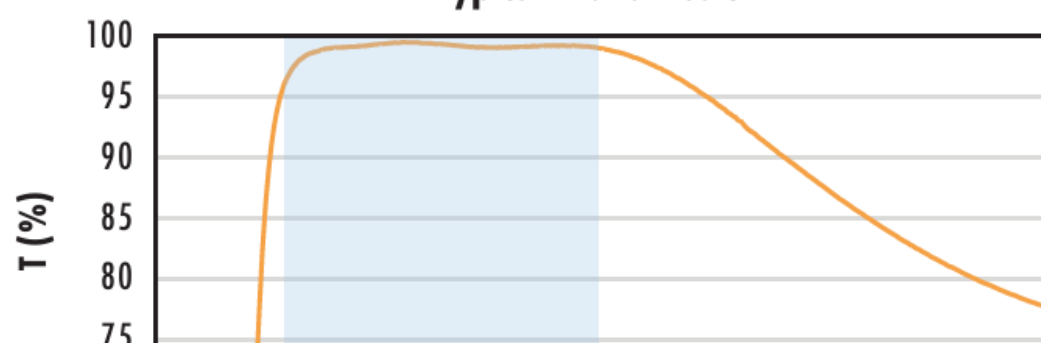
The blue shaded region indicates the coating design wavelength range, with the following specification:

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

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



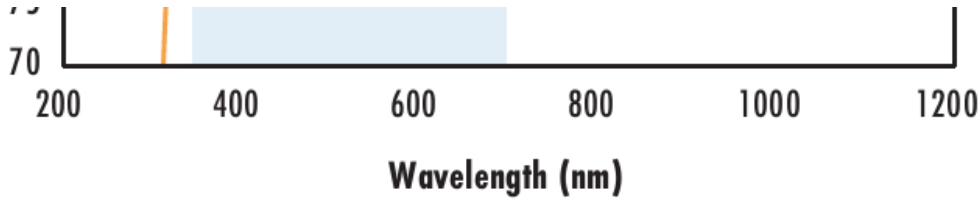
Typical transmission of a 3mm thick N-BK7 window with VIS-EXT (350-700nm) coating at 0° AOI.

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

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

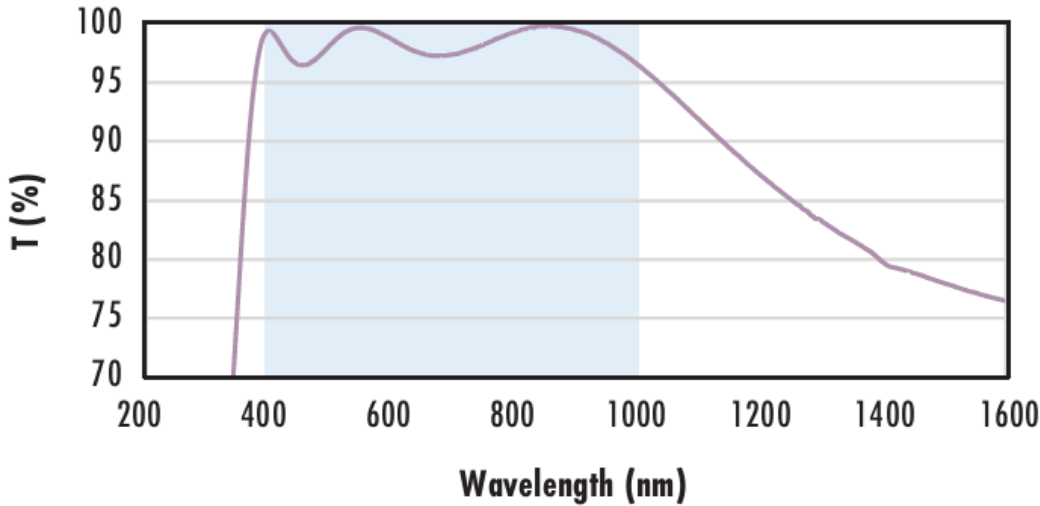
Data outside this range is not guaranteed and is for reference only.

[Click Here to Download Data](#)



[Click Here to Download Data](#)

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



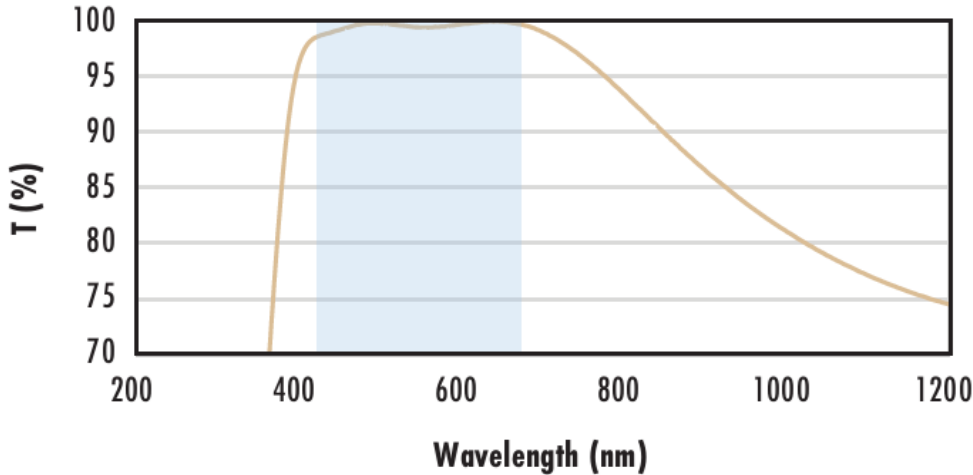
Typical transmission of a 3mm thick N-BK7 window with VIS-NIR (400-1000nm) coating at 0° AOI.  
The blue shaded region indicates the coating design wavelength range, with the following specification:

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

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**



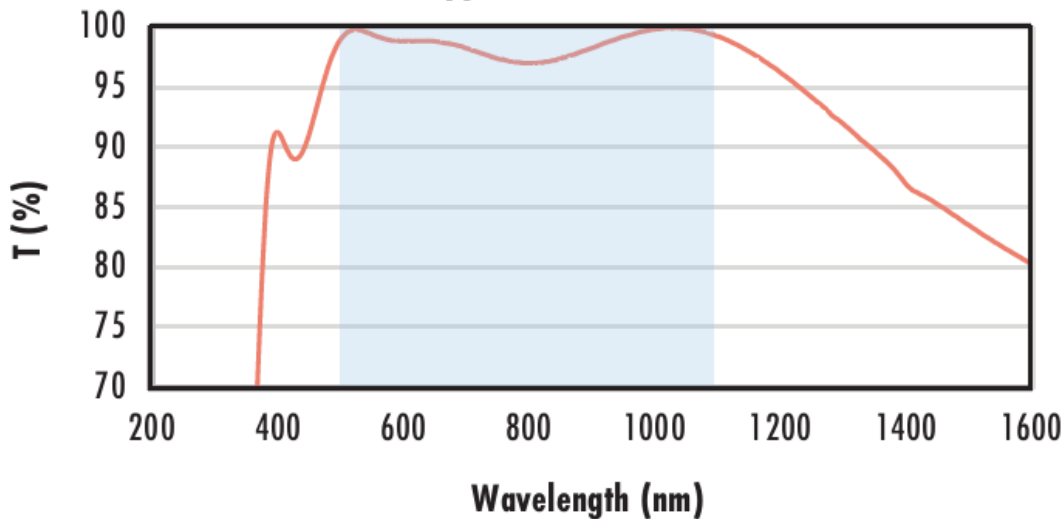
Typical transmission of a 3mm thick N-BK7 window with VIS 0° (425-675nm) coating at 0° AOI.  
The blue shaded region indicates the coating design wavelength range, with the following specification:

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

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**



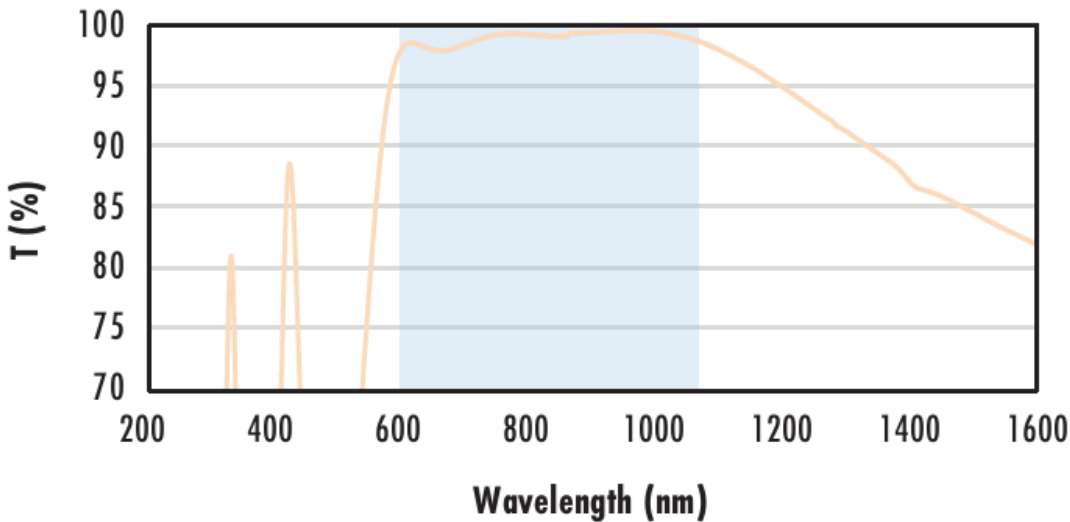
Typical transmission of a 3mm thick N-BK7 window with YAG-BBAR (500-1100nm) coating at 0° AOI.  
The blue shaded region indicates the coating design wavelength range, with the following specification:

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

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:

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

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**

