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TECHSPEC®

10mm Dia. x 20mm FL, traité NIR I, Lentille PCX



Stock **#63-510** 20+ In Stock

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-

1

+

€43<sup>.50</sup>

AJOUTER AU PANIER

| Prix sur Quantité |                                  |
|-------------------|----------------------------------|
| Qté 1-9           | €43,50 prix unitaire             |
| Qté 10-24         | €39,00 prix unitaire             |
| Qté 25-49         | €35,00 prix unitaire             |
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ⓘ Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

Caractéristiques du produit

Plano-Convex Lens

Type:

Propriétés physiques et mécaniques

|                      |                             |
|----------------------|-----------------------------|
| 10.00 +0.0/-0.025    | Diamètre (mm):              |
| <1                   | Centrage (arcmin):          |
| 3.00 ±0.05           | Épaisseur Centrale CT (mm): |
| 1.71                 | Épaisseur au Bord ET (mm):  |
| 9                    | Ouverture Utile CA (mm):    |
| Protective as needed | Biseau:                     |

|                                       |                                   |
|---------------------------------------|-----------------------------------|
| Propriétés optiques                   |                                   |
| 20.00 @ 587.6nm                       | Distance Focale EFL (mm):         |
| 18.03                                 | Distance Focale Arrière BFL (mm): |
| NIR I (600-1050nm)                    | Traitement:                       |
| R <sub>avg</sub> ≤0.5% @ 600 - 1050nm | Spécification du Traitement:      |
| N-BK7                                 | Substrat: □                       |
| 40-20                                 | Qualité de Surface:               |
| 1.5λ                                  | Power (P-V) @ 632.8nm:            |
| λ/4                                   | Irregularity (P-V) @ 632.8nm:     |
| ±1                                    | Tolérance Distance Focale (%):    |
| 10.34                                 | Rayon R <sub>1</sub> (mm):        |
| 2                                     | f/#:                              |
| 0.25                                  | Ouverture Numérique NA:           |
| 600 - 1050                            | Gamme de Longueur d'Onde (nm):    |
| 7 J/cm <sup>2</sup> @ 1064nm, 10ns    | Damage Threshold, By Design: □    |

|                          |                             |
|--------------------------|-----------------------------|
| Conformité réglementaire |                             |
| Conforme                 | RoHS 2015:                  |
| Visionner                | Certificate of Conformance: |
| Conforme                 | Reach 235:                  |

## Description produit

- Traitées AR pour procurer <0,5% de réflectivité par surface de 600 à 1050 nm
- Conçues pour un angle d'incidence de 0°
- Diverses options de traitement : [Non traitées](#), [MgF<sub>2</sub>](#), [VIS 0°](#), [VIS-NIR](#), [NIR II](#), [VIS-EXT](#) et [YAG-BBAR](#)

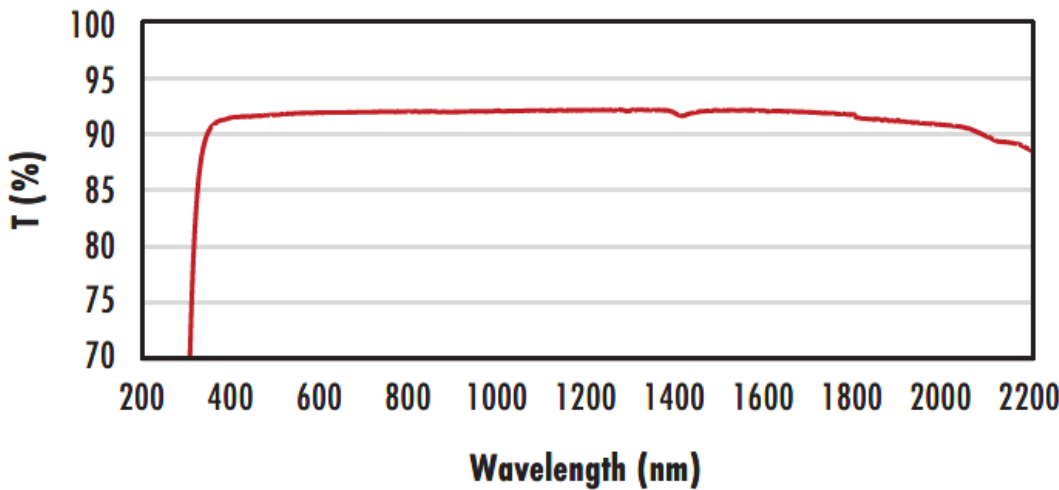
Les Lentilles Plan-Convexes (PCX) Traitées NIR I TECHSPEC® possèdent une distance focale positive, les rendant idéales pour recueillir et focaliser la lumière dans des applications d'imagerie. Elles sont également utiles dans une variété d'applications impliquant les émetteurs, détecteurs, lasers et fibres optiques. Les Lentilles Plan-Convexes (PCX) Traitées NIR I 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 autres traitements antireflets à large bande, qui comprennent [MgF<sub>2</sub>](#), [VIS 0°](#), [VIS-NIR](#), [NIR II](#), [VIS-EXT](#) et [YAG-BBAR](#).

## Informations techniques



N-BK7

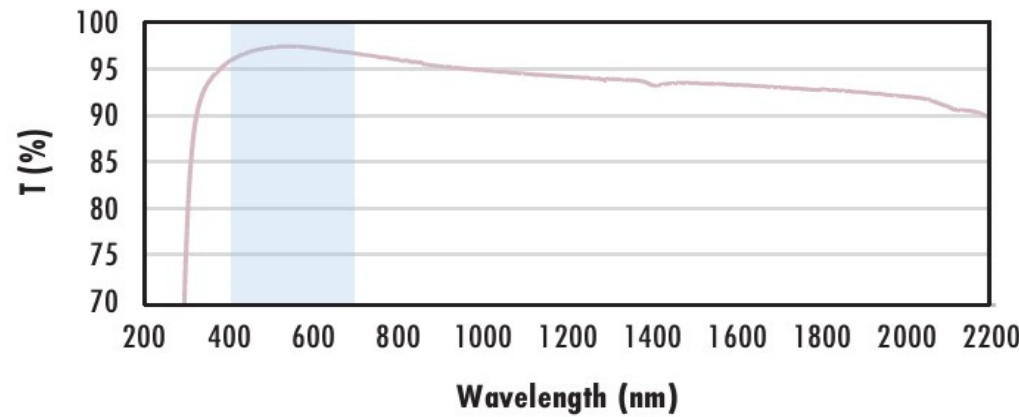
### Uncoated N-BK7 Typical Transmission



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.

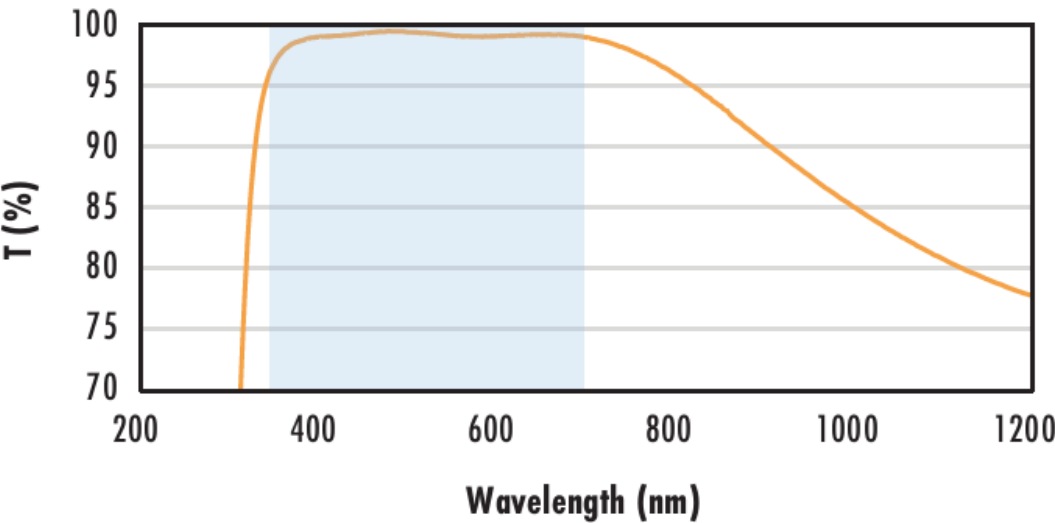
The blue shaded region indicates the coating design wavelength range, with the following specification:

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

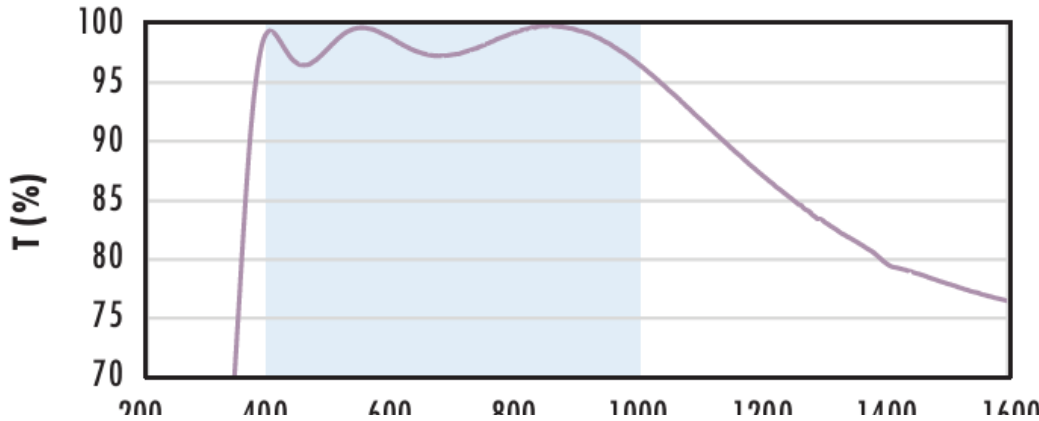
The blue shaded region indicates the coating design wavelength range, with the following specification:

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

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:

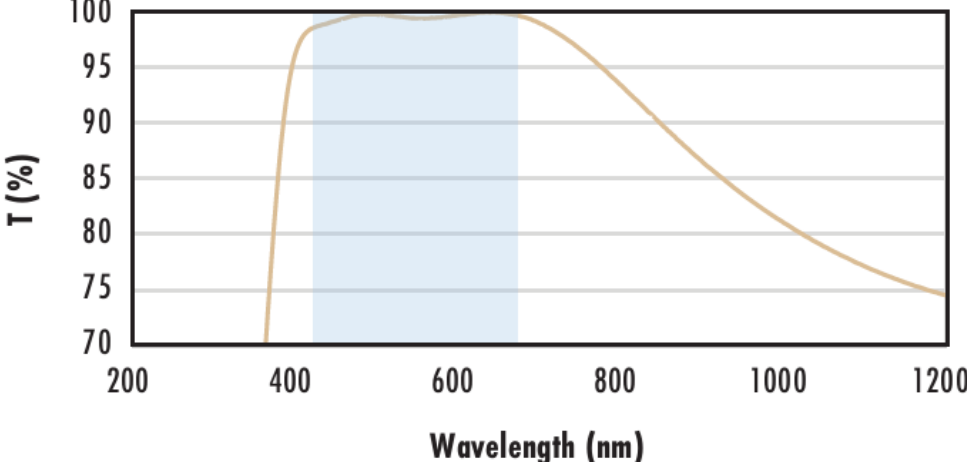
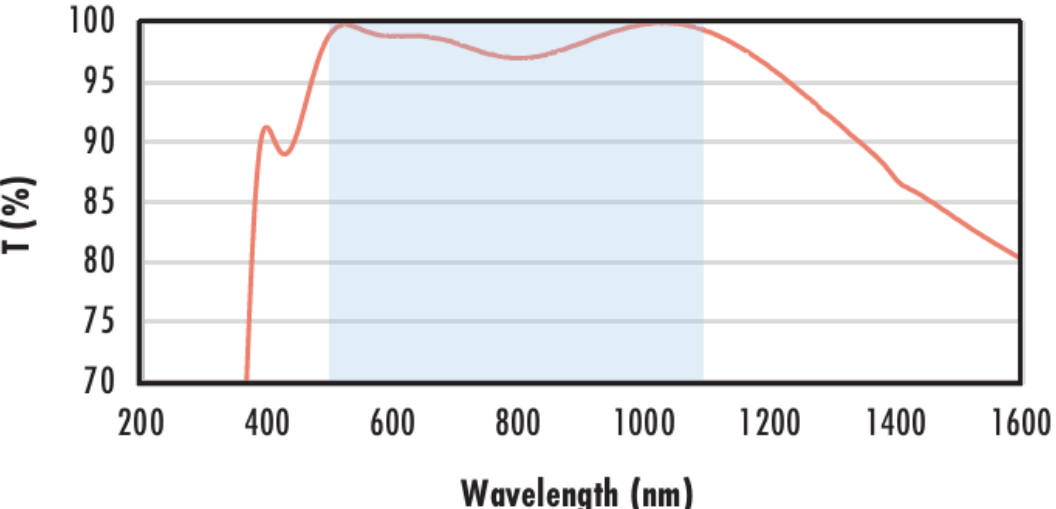
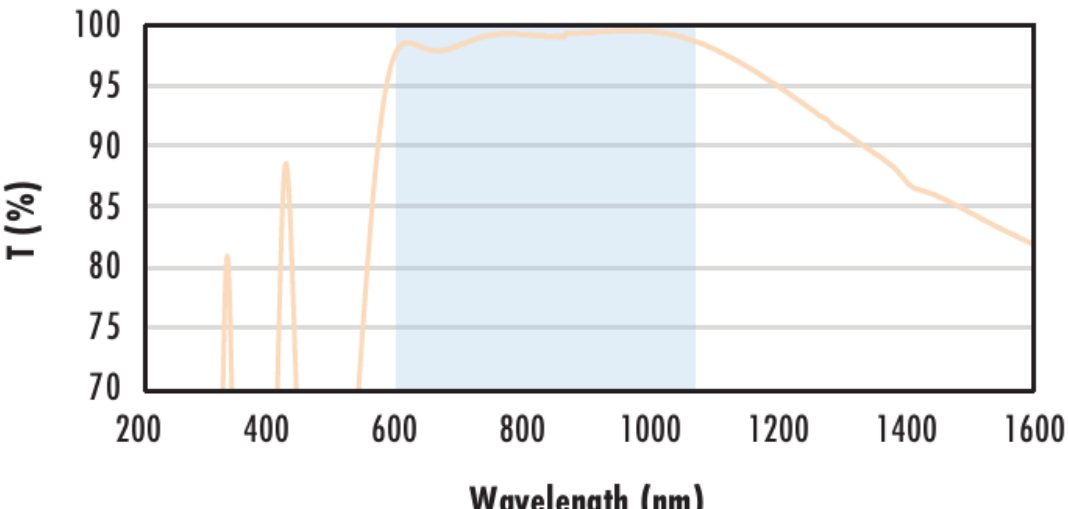
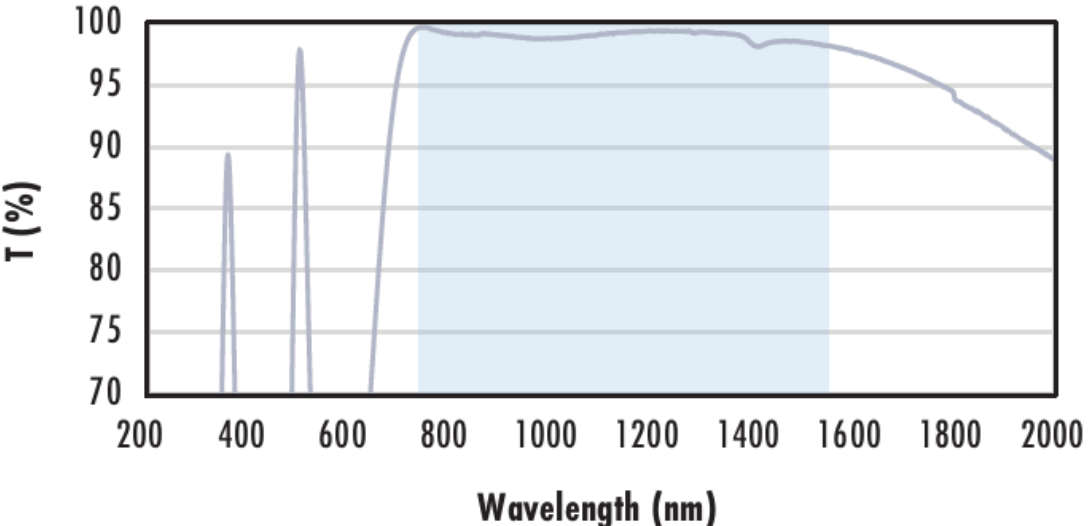
$R_{abs} \leq 0.25\% @ 880\text{nm}$

$R_{avg} \leq 1.25\% @ 400 - 870\text{nm}$

$R_{avg} \leq 1.25\% @ 890 - 1000\text{nm}$

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

[Click Here to Download Data](#)

|                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>2004006008001000120014001600</div> <div>Wavelength (nm)</div>                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <div>N-BK7 with VIS 0° Coating</div> <div>Typical Transmission</div> <div></div>    |  | <p>Typical transmission of a 3mm thick N-BK7 window with VIS 0° (425-675nm) coating at 0° AOI.</p> <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p><math>R_{avg} \leq 0.4\%</math> @ 425 - 675nm</p> <p>Data outside this range is not guaranteed and is for reference only.</p> <p><a href="#">Click Here to Download Data</a></p>                                                                                                          |
| <div>N-BK7 with YAG-BBAR Coating</div> <div>Typical Transmission</div> <div></div> |  | <p>Typical transmission of a 3mm thick N-BK7 window with YAG-BBAR (500-1100nm) coating at 0° AOI.</p> <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p><math>R_{abs} \leq 0.25\%</math> @ 532nm<br/><math>R_{abs} \leq 0.25\%</math> @ 1064nm<br/><math>R_{avg} \leq 1.0\%</math> @ 500 - 1100nm</p> <p>Data outside this range is not guaranteed and is for reference only.</p> <p><a href="#">Click Here to Download Data</a></p>           |
| <div>N-BK7 with NIR I Coating</div> <div>Typical Transmission</div> <div></div>   |  | <p>Typical transmission of a 3mm thick N-BK7 window with NIR I (600 - 1050nm) coating at 0° AOI.</p> <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p><math>R_{avg} \leq 0.5\%</math> @ 600 - 1050nm</p> <p>Data outside this range is not guaranteed and is for reference only.</p> <p><a href="#">Click Here to Download Data</a></p>                                                                                                       |
| <div>N-BK7 with NIR II Coating</div> <div>Typical Transmission</div> <div></div>  |  | <p>Typical transmission of a 3mm thick N-BK7 window with NIR II (750 - 1550nm) coating at 0° AOI.</p> <p>The blue shaded region indicates the coating design wavelength range, with the following specification:</p> <p><math>R_{abs} \leq 1.5\%</math> @ 750 - 800nm<br/><math>R_{abs} \leq 1.0\%</math> @ 800 - 1550nm<br/><math>R_{avg} \leq 0.7\%</math> @ 750 - 1550nm</p> <p>Data outside this range is not guaranteed and is for reference only.</p> <p><a href="#">Click Here to Download Data</a></p> |

Sur mesure

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Nos capacités comprennent :

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- Qualité de surface et planéité de surface de haute précision
- Tolérances serrées et géométries complexes
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## Montures compatibles

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