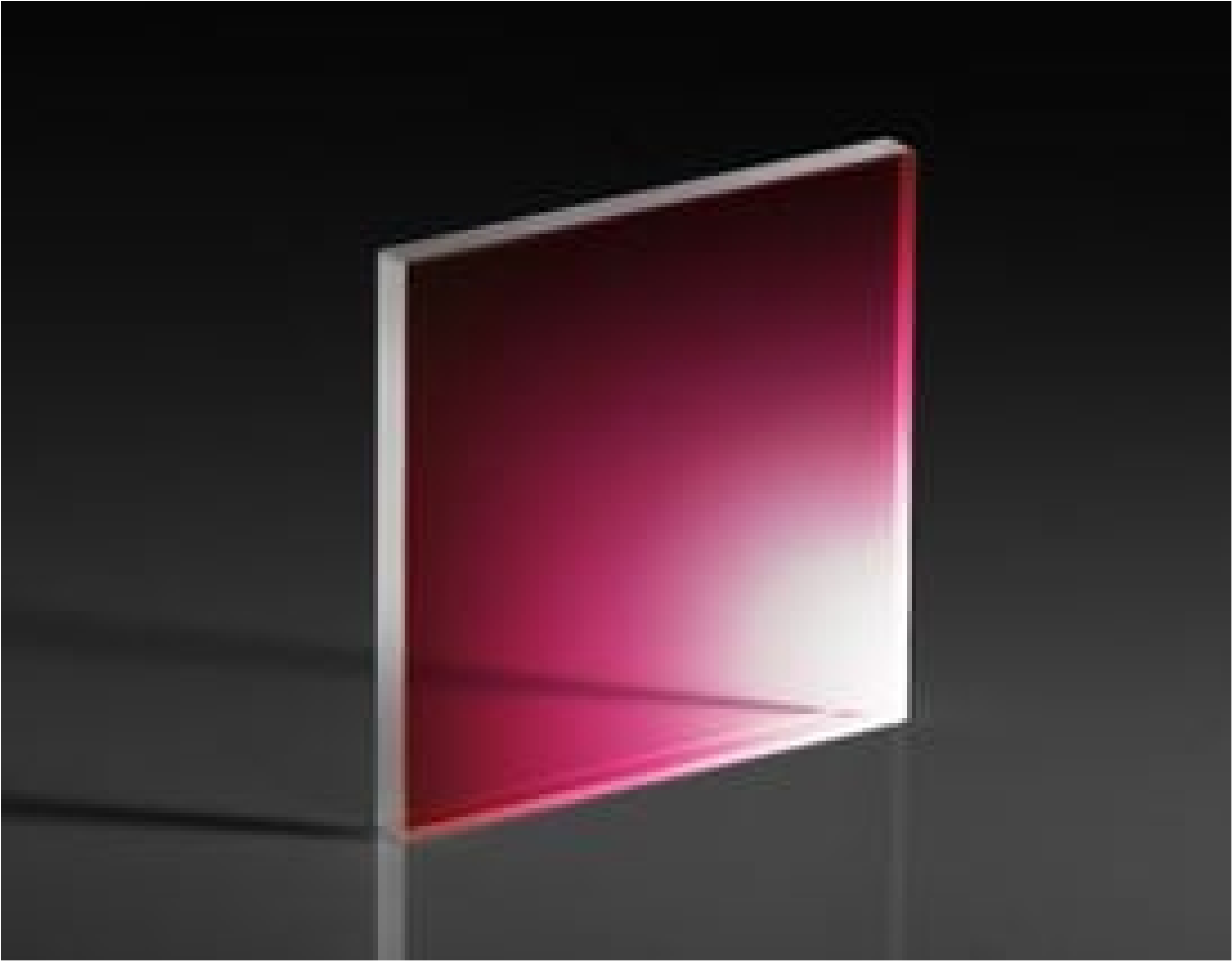


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TECHSPEC®

Fenêtre  $\lambda/4$  en N-BK7 Non Traitée, 50 x 50 mm, 2 mm d'épaisseur



Stock #20-596 4 In Stock

-

1

+

€111<sup>.00</sup>

AJOUTER AU PANIER

| Prix sur Quantité |                                  |
|-------------------|----------------------------------|
| Qté 1-5           | €111,00 prix unitaire            |
| Qté 6-25          | €88,50 prix unitaire             |
| Qté 26-49         | €83,00 prix unitaire             |
| Need More?        | <a href="#">Demande de Devis</a> |

ⓘ Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

321.00

#Sorting:

Caractéristiques du produit

Protective Window

Type:

Propriétés physiques et mécaniques

45.00 x 45.00

Ouverture Utile CA (mm):

|                          |                                     |
|--------------------------|-------------------------------------|
| 50.00 x50.00 +0.00/-0.25 | Dimensions (mm):                    |
| 2.00 ±0.20               | Épaisseur (mm):                     |
| 50.00                    | Longueur (mm):                      |
| 50.00                    | Largeur (mm):                       |
| <1                       | Parallélisme (arcmin):              |
| Protective as needed     | Biseau:                             |
| 90                       | Ouverture Utile (%):                |
| Fine Ground              | Bords:                              |
| 0.21                     | Rapport de Poisson:                 |
| 82                       | Module d'Élasticité de Young (GPa): |
| 610.00                   | Dureté de Knoop (kg/mm²):           |

Propriétés optiques

|            |                                         |
|------------|-----------------------------------------|
| Uncoated   | Traitement:                             |
| N-BK7      | Substrat: □                             |
| 1.516      | Indice de Réfraction (n <sub>d</sub> ): |
| 60-40      | Qualité de Surface:                     |
| λ/4        | Front d'Onde Transmis, P-V:             |
| 64.17      | Nombre d'Abbe (v <sub>d</sub> ):        |
| 350 - 2200 | Gamme de Longueur d'Onde (nm):          |

Propriétés des matériaux

|                                           |                                                               |
|-------------------------------------------|---------------------------------------------------------------|
| 2.51                                      | Densité (g/cm³):                                              |
| 7.1 (-30 to +70°C)<br>8.3 (+20 to +300°C) | Coefficient d'Expansion Thermique CTE (10 <sup>-6</sup> /°C): |

Conformité réglementaire

|           |                             |
|-----------|-----------------------------|
| Visionner | Certificate of Conformance: |
|-----------|-----------------------------|

## Sur mesure

Edmund Optics propose des services complets de fabrication personnalisée de composants optiques et d'imagerie adaptés aux exigences de vos applications spécifiques. Qu'il s'agisse de la phase de prototypage ou de la préparation d'une production à grande échelle, nous proposons des solutions flexibles pour répondre à vos besoins. Nos ingénieurs expérimentés sont là pour vous aider, de la conception à la réalisation.

Nos capacités comprennent :

- Dimensions, matériaux, traitements, etc. personnalisés
- Qualité de surface et planéité de surface de haute précision
- Tolérances serrées et géométries complexes
- Production évolutive – du prototype à la série

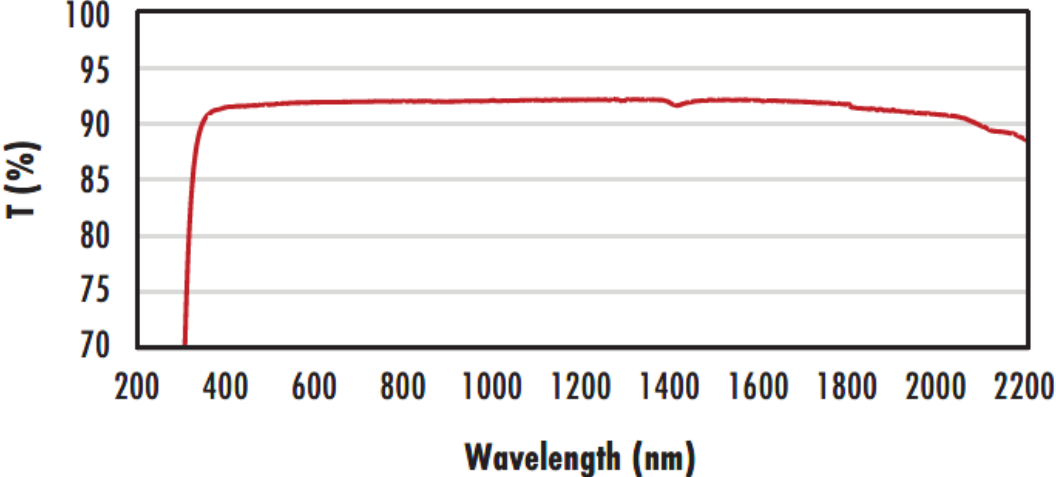
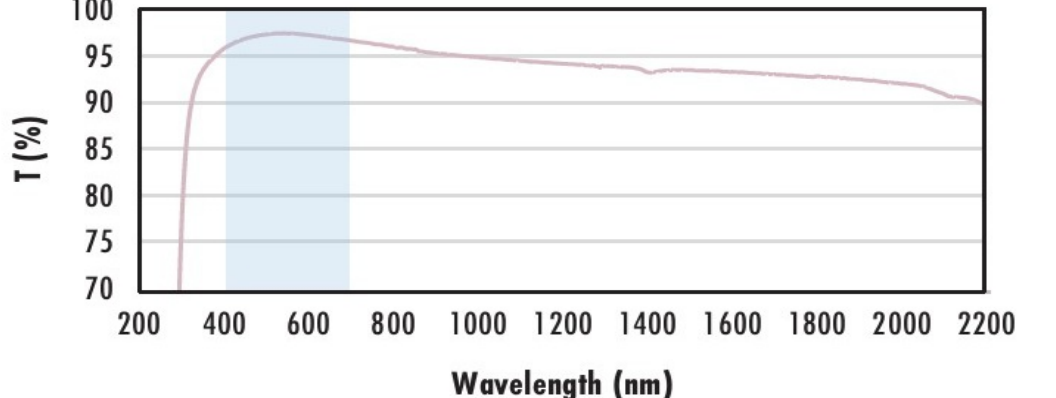
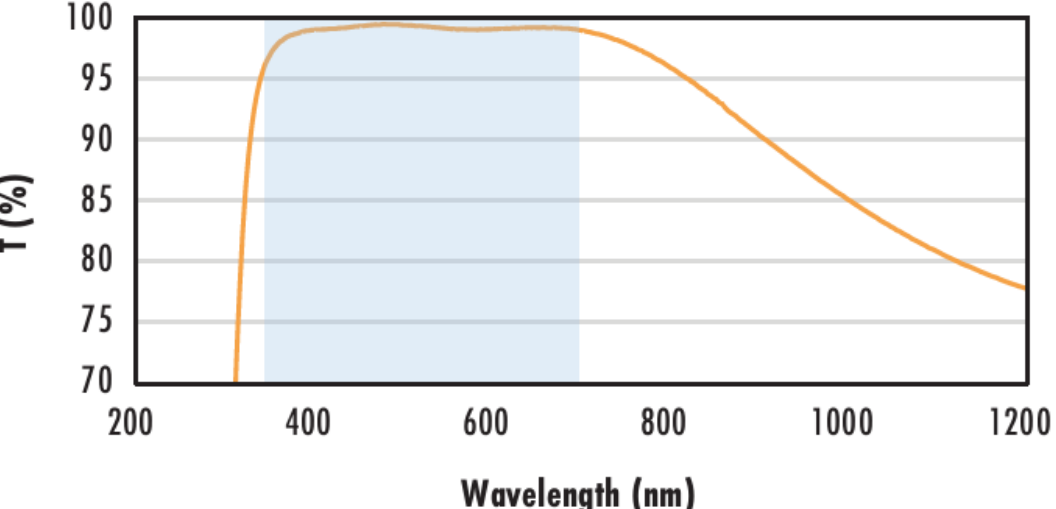
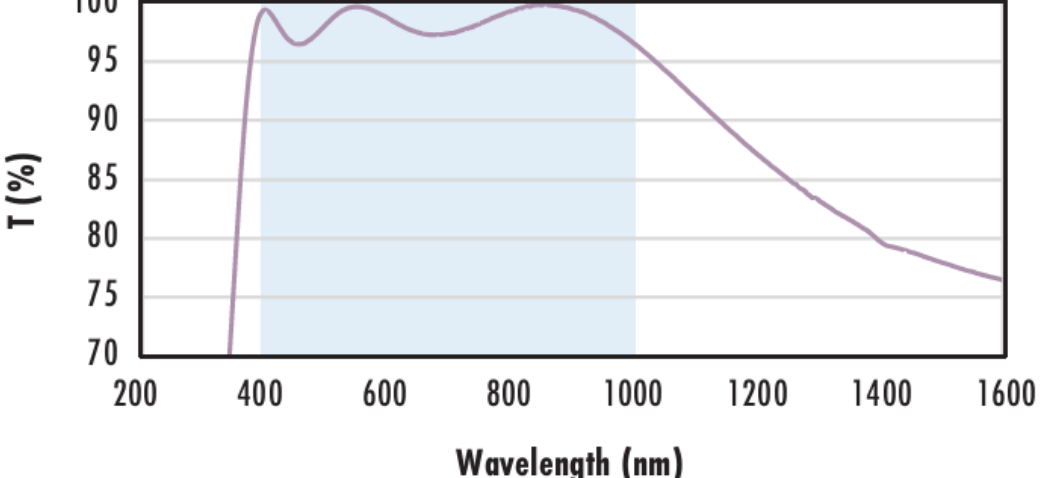
En savoir plus sur nos [capacités de fabrication sur mesure](#) ou soumettre une demande [ici](#).

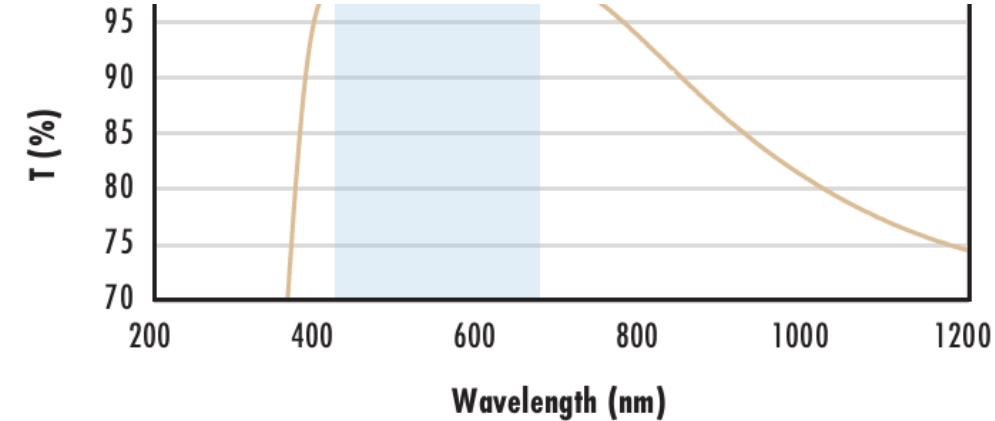
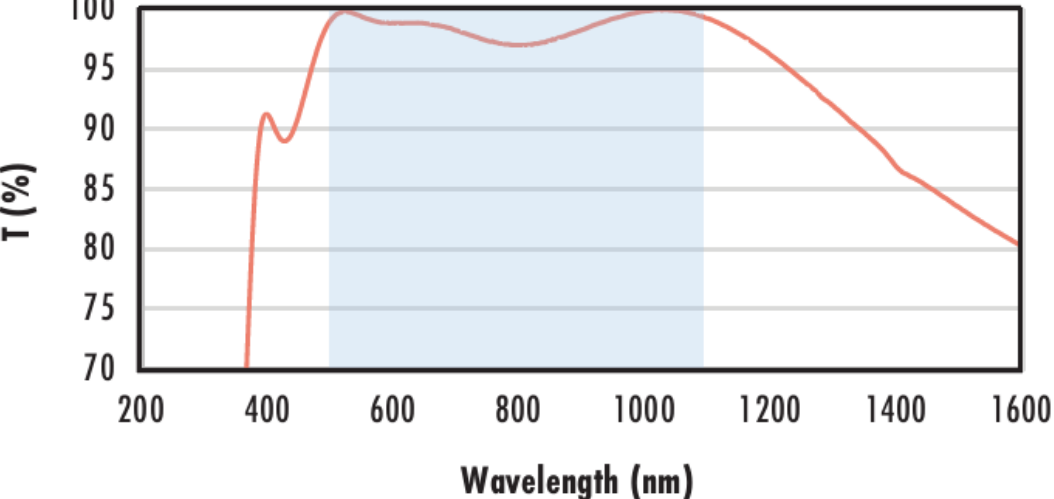
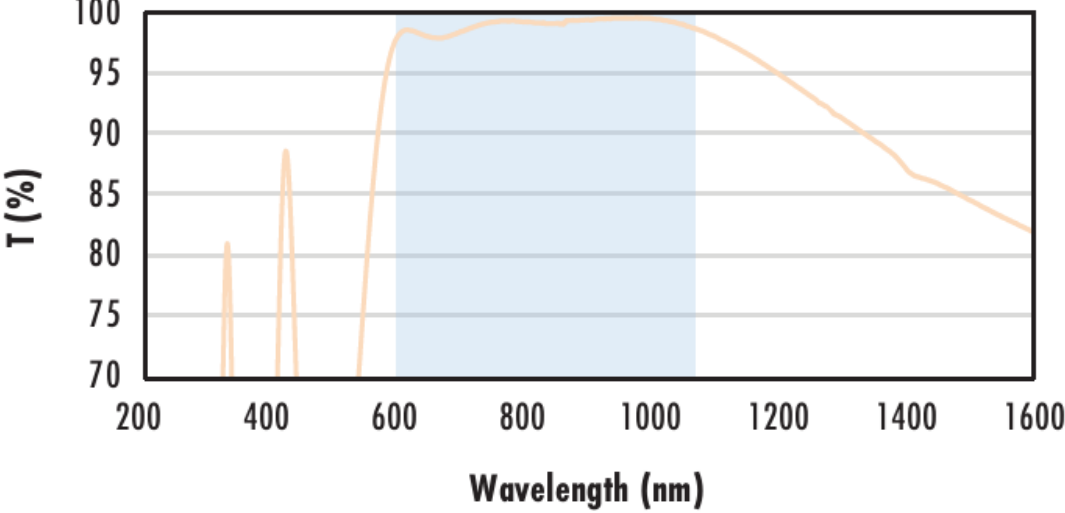
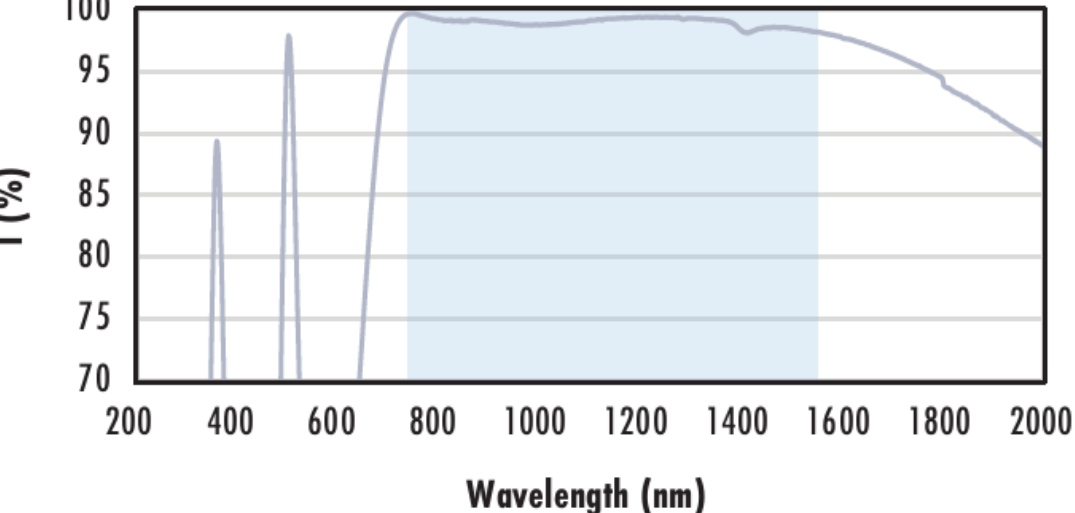
## Description produit

- Tailles circulaires et carrées de 2 mm à 200 mm
- 8 options de traitements antireflets à large bande disponibles
- La plus grande sélection au monde de fenêtres standard N-BK7
- Également disponibles : [Fenêtres Ultra-Minces N-BK7](#)

Les Fenêtres de Précision λ/4 en N-BK7 TECHSPEC® conviennent parfaitement aux applications laser industrielles et de faible puissance. Leur concept à tolérances étroites produit une distorsion et une dispersion du rayon minimales. Les options de traitement à larges bandes élargissent la gamme de ces fenêtres de précision grâce au spectre visible et infrarouge proche. Les Fenêtres de Précision λ/4 en N-BK7 TECHSPEC® sont proposées dans des tailles circulaires et carrées allant de 2 mm à 200 mm.

**Remarque** : Les nouveaux ajouts à cette famille de produits peuvent être précisés avec une spécification de distorsion du front d'onde transmis (TWD) au lieu d'une planéité de surface. Pour plus d'informations sur la différence entre ces deux spécifications, consultez notre note d'application [Comprendre les fenêtres optiques](#).

| N-BK7                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>Uncoated N-BK7 Typical Transmission</div>                        | <p>Typical transmission of a 3mm thick, uncoated N-BK7 window across the UV - NIR spectra.</p> <p><a href="#">Click Here to Download Data</a></p>                                                                                                                                                                                                                                                                                                                                                                              |
| <div>N-BK7 with MgF<sub>2</sub> Coating Typical Transmission</div>  | <p>Typical transmission of a 3mm thick N-BK7 window with MgF2 (400-700nm) 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 1.75\% @ 400 - 700\text{nm}</math> (N-BK7)</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 VIS-EXT Coating Typical Transmission</div>          | <p>Typical transmission of a 3mm thick N-BK7 window with VIS-EXT (350-700nm) 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\% @ 350 - 700\text{nm}</math></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 VIS-NIR Coating Typical Transmission</div>          | <p>Typical transmission of a 3mm thick N-BK7 window with VIS-NIR (400-1000nm) 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\% @ 880\text{nm}</math><br/><math>R_{avg} \leq 1.25\% @ 400 - 870\text{nm}</math><br/><math>R_{avg} \leq 1.25\% @ 890 - 1000\text{nm}</math></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 VIS 0° Coating Typical Transmission</div>           | <p>Typical transmission of a 3mm thick N-BK7 window with VIS 0°</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

|                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                              | <p>Typical transmission of a 3mm thick N-BK7 window with VUV (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>                                                                                                             |
| <p><b>N-BK7 with YAG-BBAR Coating</b><br/><b>Typical Transmission</b></p>  | <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>           |
| <p><b>N-BK7 with NIR I Coating</b><br/><b>Typical Transmission</b></p>    | <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>                                                                                                       |
| <p><b>N-BK7 with NIR II Coating</b><br/><b>Typical Transmission</b></p>   | <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> |