TECHSPEC® Lentille Plan-Concave Traitée YAG-BBAR, 9,0 mm de dia. x -18 FL

Stock **#21-308** 3-4 JOURS

- 1 + €44.00

AJOUTER AU PANIER

Qté 1-9
€44,00

Qté 10+
€39,50

Prix sur Quantité
Demande de Devis

Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

SPÉCIFICATIONS

Caractéristiques du produit

Type:
Plano-Concave Lens

Propriétés physiques et mécaniques

Diamètre (mm):
9.00

Biseau:
Protective bevel as needed

Épaisseur Centrale CT (mm):
2.25 ±0.05

Centrage (arcmin):
<1

Ouverture Utile CA (mm):
8.1

Épaisseur au Bord ET (mm):
2.89

Propriétés optiques

Distance Focale EFL (mm):
-18.00

Substrat:
N-SF11

f/#:
1.00

Ouverture Numérique NA:
0.25

Traitement:
YAG-BBAR (500-1100nm)

Gamme de Longeur d'Onde (nm):
500 - 1100

Distance Focale Arrière BFL (mm):
-19.26

Spécification du Traitement:
R_{abs} <0.25% @ 532nm
R_{abs} <0.25% @ 1064nm
R_{avg} <1.0% @ 500 - 1100nm

Longueur d'Onde à la Focale Donnée (nm):
587.6

Tolérance Distance Focale (%):
±1

Rayon R_1 (mm):
-14.12

Qualité de Surface:
40-20

Damage Threshold, By Design:
5 J/cm^2 @ 532nm, 10ns

Power (P-V) @ 632.8nm:
1.5λ

Irregularity (P-V) @ 632.8nm:
λ/4

Conformité réglementaire

RoHS 2015:
Conforme

Certificate of Conformance:
Visionner

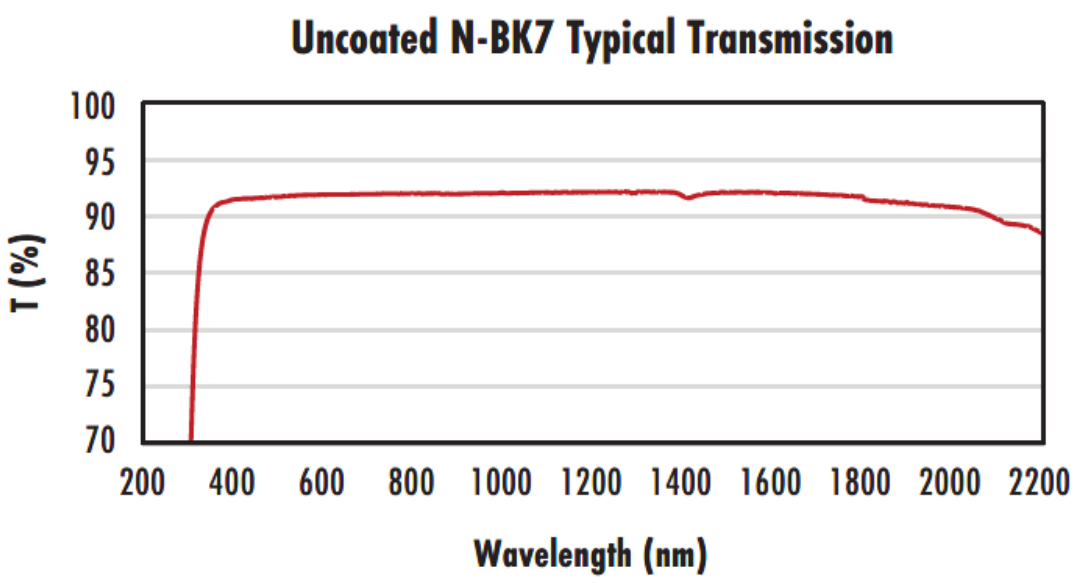
Reach 235:
Conforme

DESCRIPTION PRODUIT

- Distances focales négatives pour les applications d'expansion de faisceau ou de projection de lumière
- Optimisées pour une R<0,25% à la fois à 532 nm et 1064 nm
- Traitées AR pour procurer une réflectivité <1,0% par surface de 500 à 1100 nm
- Diverses options de traitement : Non Traitées, VIS-EXT, MgF_2, VIS 0°, VIS-NIR, NIR I, NIR II et Traitement en V 1064 nm

Les Lentilles Plan-Concaves (PCV) Traitées YAG-BBAR TECHSPEC® sont conçues pour courber les rayons d'entrée parallèles afin qu'ils divergent les uns des autres du côté de la sortie de la lentille, ce qui fait que cette lentille a une distance focale négative. Ces lentilles peuvent être utilisées pour équilibrer les aberrations créées par d'autres lentilles au sein d'un système en raison de leur aberration sphérique négative. Les lentilles plan-concaves (PCV) sont couramment utilisées dans une variété d'applications, notamment la réduction d'image, l'expansion de faisceau et les télescopes. Les Lentilles Plan-Concaves (PCV) Traitées YAG-BBAR TECHSPEC® se caractérisent par une réflexion inférieure à 0,25% aux longueurs d'onde courantes des lasers Nd:YAG de 532 nm et 1064 nm. Ces lentilles sont également disponibles Non Traitées et en options de traitement AR VIS-EXT, MgF_2, VIS 0°, VIS-NIR, NIR I ou NIR II.

INFORMATIONS TECHNIQUES



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

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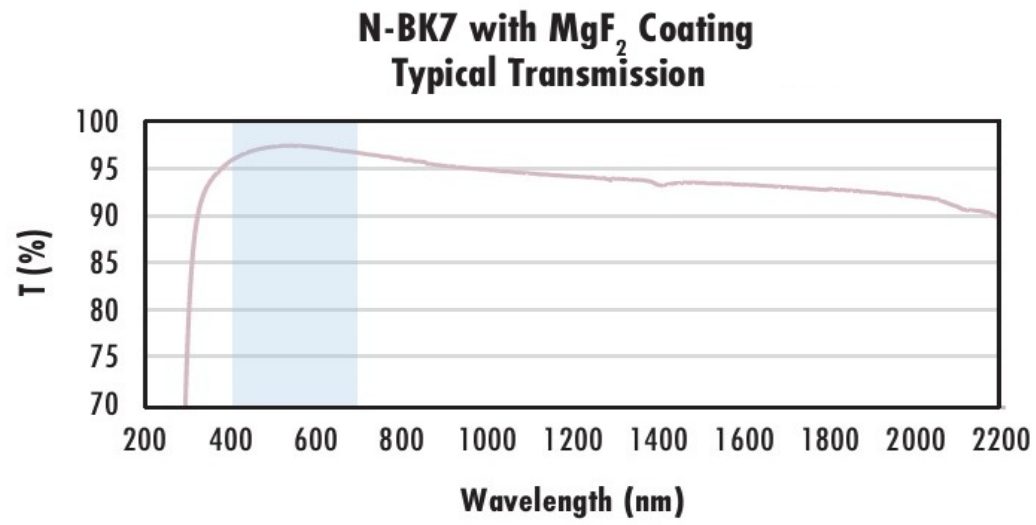

Typical transmission of a 3mm thick N-BK7 window with MgF2 (400-700nm) coating at 0° AOI.

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

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

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

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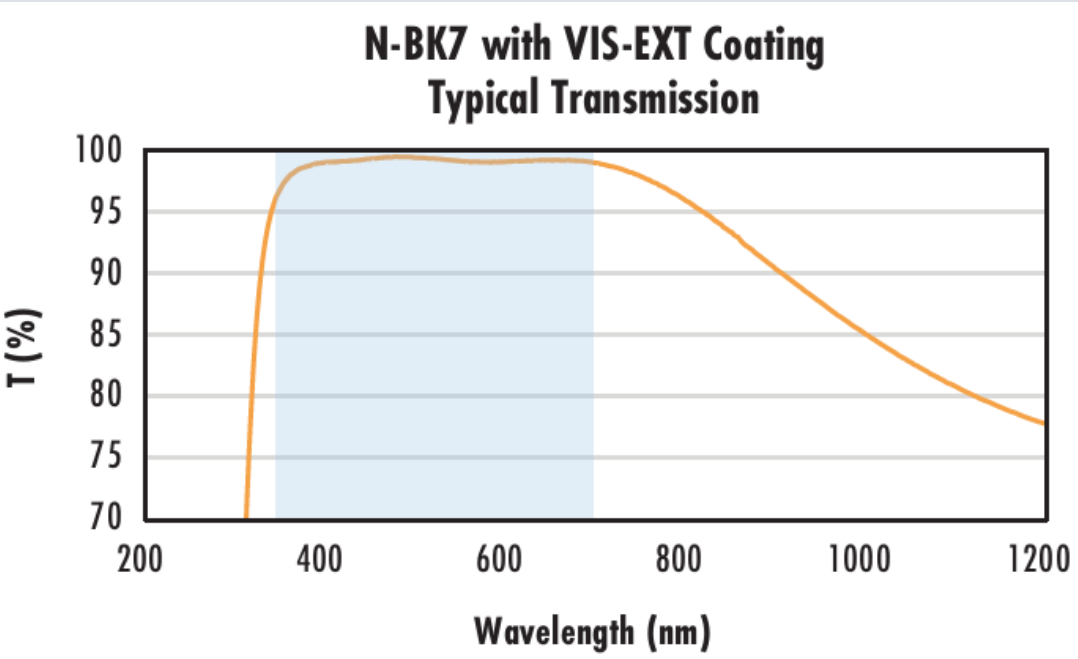

Typical transmission of a 3mm thick N-BK7 window with VIS-EXT (350-700nm) coating at 0° AOI.

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

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

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

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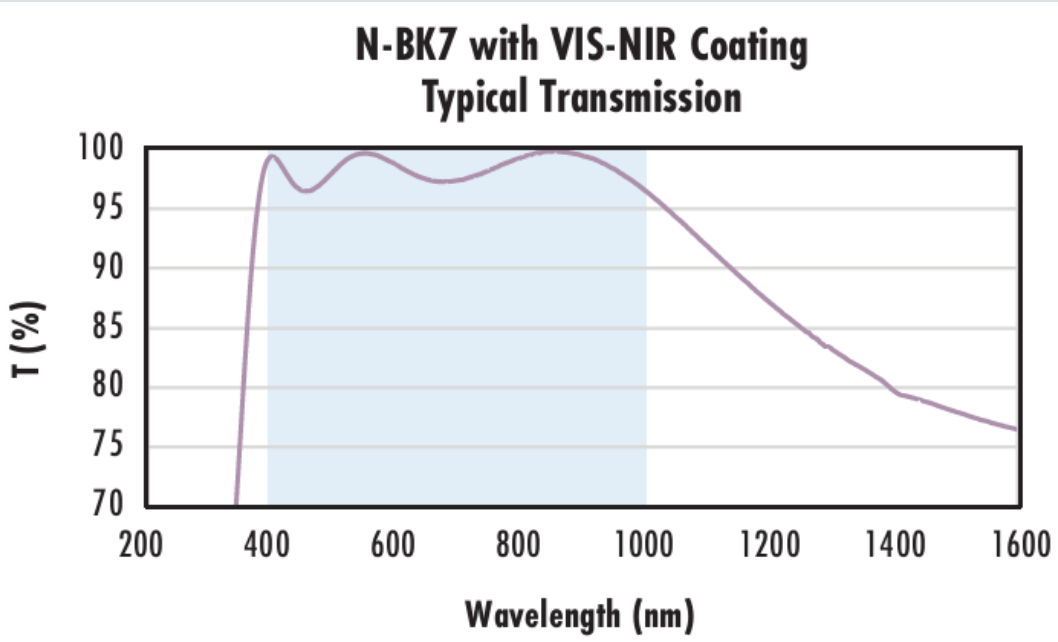

Typical transmission of a 3mm thick N-BK7 window with VIS-NIR (400-1000nm) coating at 0° AOI.

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

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

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

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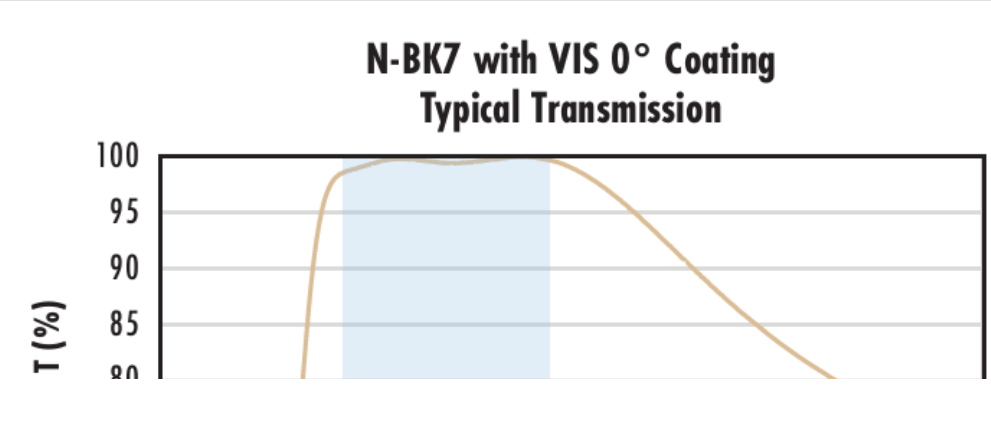
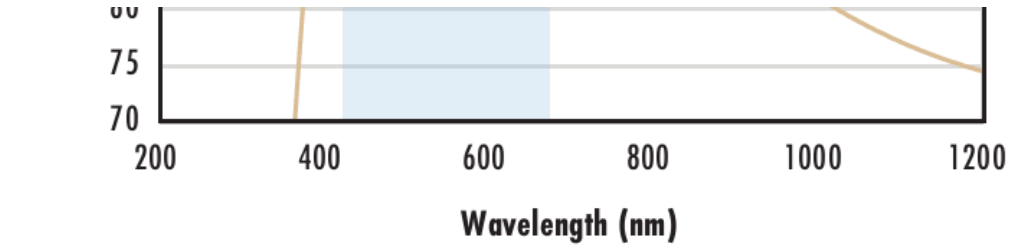


Typical transmission of a 3mm thick N-BK7 window with VIS 0° (425-675nm) coating at 0° AOI.

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

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

Data outside this range is not guaranteed and is for reference



only.

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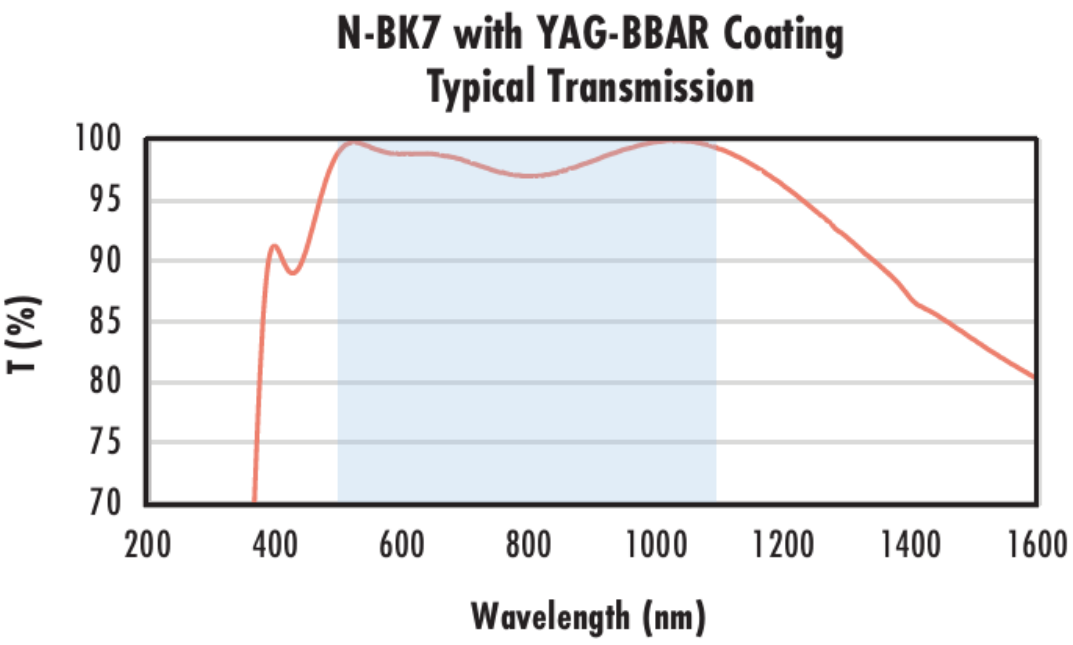

Typical transmission of a 3mm thick N-BK7 window with YAG-BBAR (500-1100nm) coating at 0° AOI.

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

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

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

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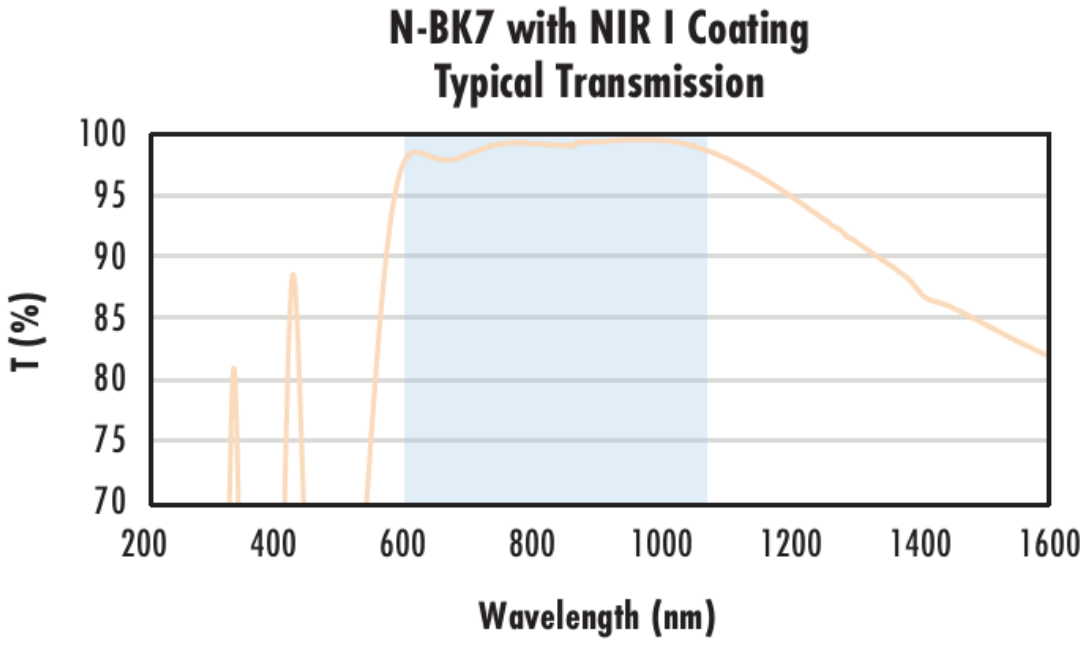

Typical transmission of a 3mm thick N-BK7 window with NIR I (600 - 1050nm) coating at 0° AOI.

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

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

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

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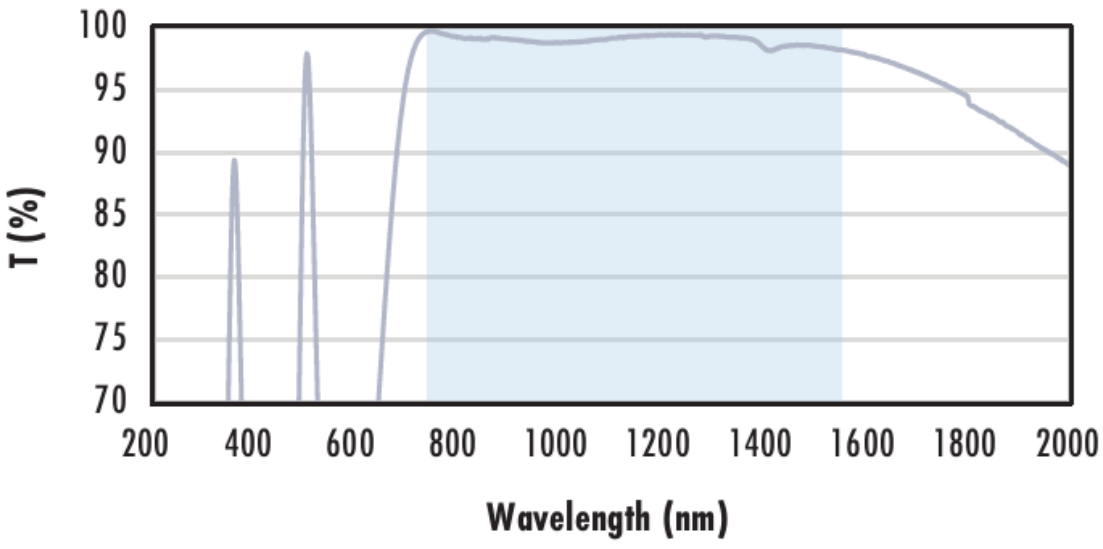

Typical transmission of a 3mm thick N-BK7 window with NIR II (750 - 1550nm) coating at 0° AOI.

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

$R_{abs} \leq 1.5\%$ @ 750 - 800nm
$R_{abs} \leq 1.0\%$ @ 800 - 1550nm
$R_{avg} \leq 0.7\%$ @ 750 - 1550nm

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

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