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TECHSPEC[®] 12mm Dia x -48 DF, VIS 0° bords noircis, Lentille PCV



Stock **#47-907-INK** CONTACT

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1

+

€59^{.00}

AJOUTER AU PANIER

Prix sur Quantité	
Qté 1-9	€59,00 prix unitaire
Qté 10-25	€53,00 prix unitaire
Qté 26-49	€47,25 prix unitaire
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ⓘ Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

Caractéristiques du produit

Plano-Concave Lens

Type:

Propriétés physiques et mécaniques

12.00 ±0.025	Diamètre (mm):
Protective as needed	Biseau:
3.50	Épaisseur Centrale CT (mm):
±0.05	Tolérance Épaisseur Centrale (mm):
<1	Centrage (arcmin):
11.00	Ouverture Utile CA (mm):
4.12	Épaisseur au Bord ET (mm):
Propriétés optiques	
-48.00	Distance Focale EFL (mm):
N-BK7	Substrat: ☐
4.00	f#:
0.13	Ouverture Numérique NA:
VIS 0° (425-675nm)	Traitement:
425 - 675	Gamme de Longueur d'Onde (nm):
-50.31	Distance Focale Arrière BFL (mm):
R _{avg} ≤0.4% @ 425 - 675nm	Spécification du Traitement:
587.6	Longueur d'Onde à la Focale Donnée (nm):
±1	Tolérance Distance Focale (%):
-24.81	Rayon R ₁ (mm):
40-20	Qualité de Surface:
5 J/cm ² @ 532nm, 10ns	Damage Threshold, By Design: ☐
1.5λ	Power (P-V) @ 632.8nm:
λ/4	Irregularity (P-V) @ 632.8nm:
Conformité réglementaire	
Visionner	Certificate of Conformance:

Besoin de spécifications différentes ou de modifications ?

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 :

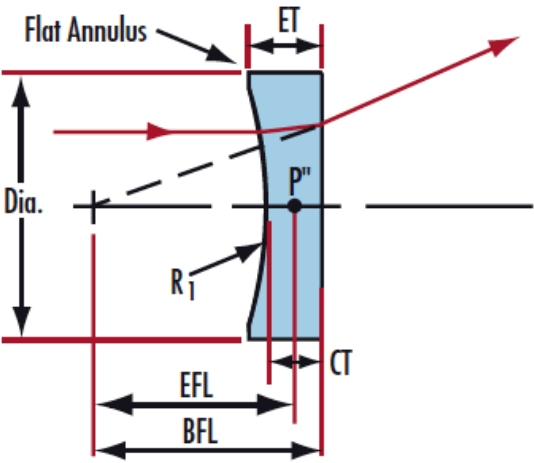
- Dimensions, matériaux, traitements, etc. personnalisés
- Qualité de surface et planéité de surface de haute précision
- Tolérances serrées et géométries complexes
- Production évolutive – du prototype à la série

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

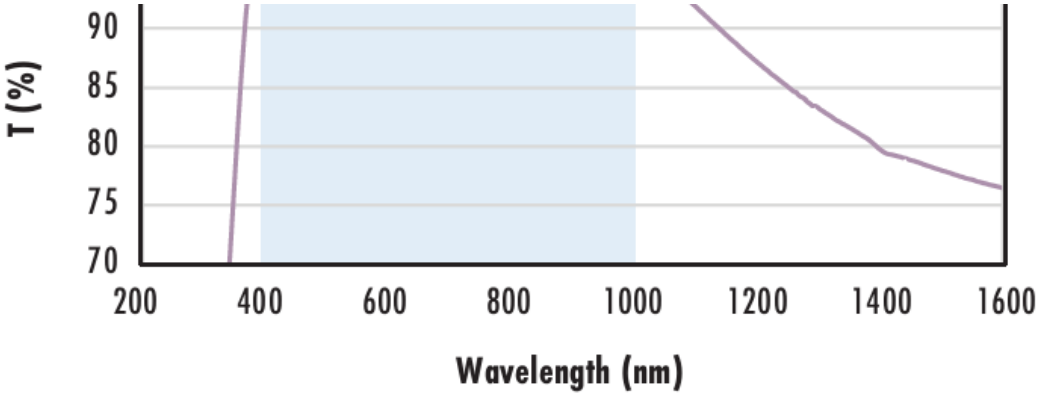
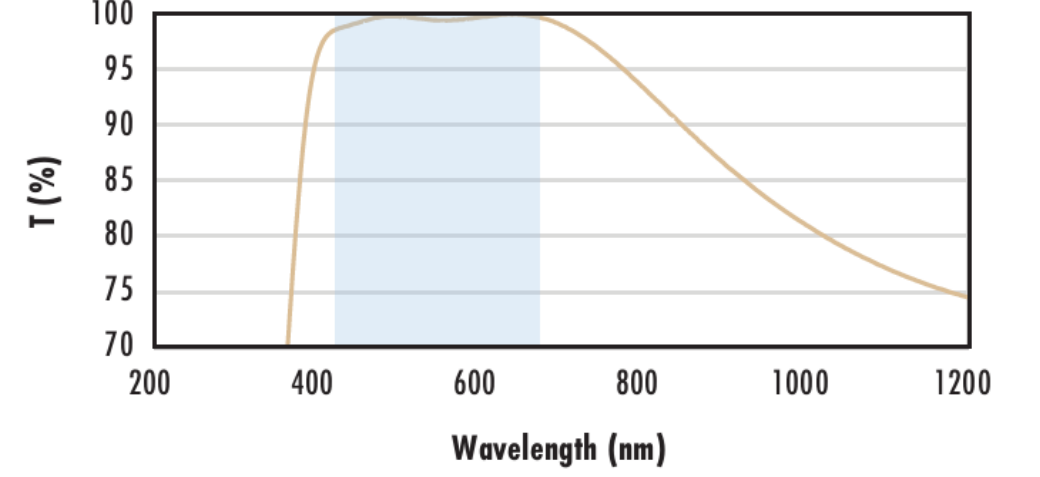
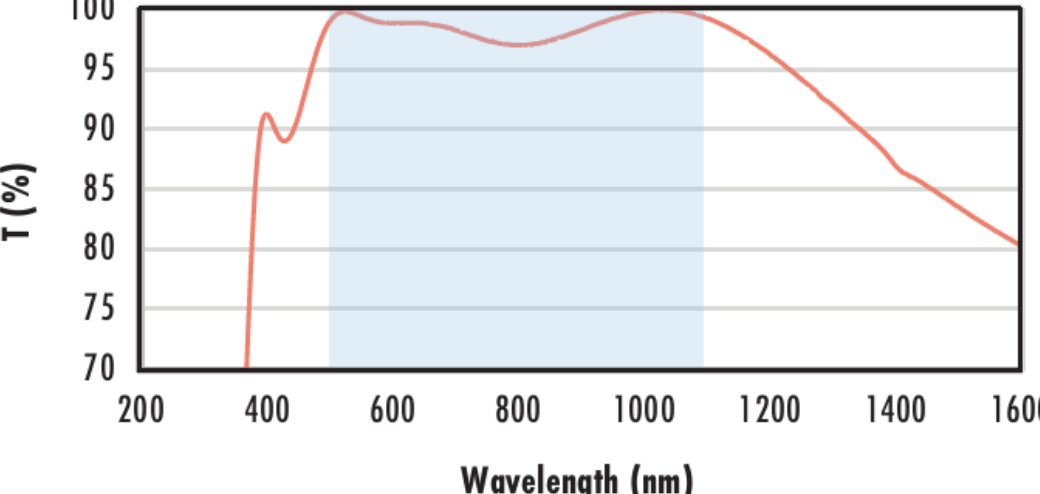
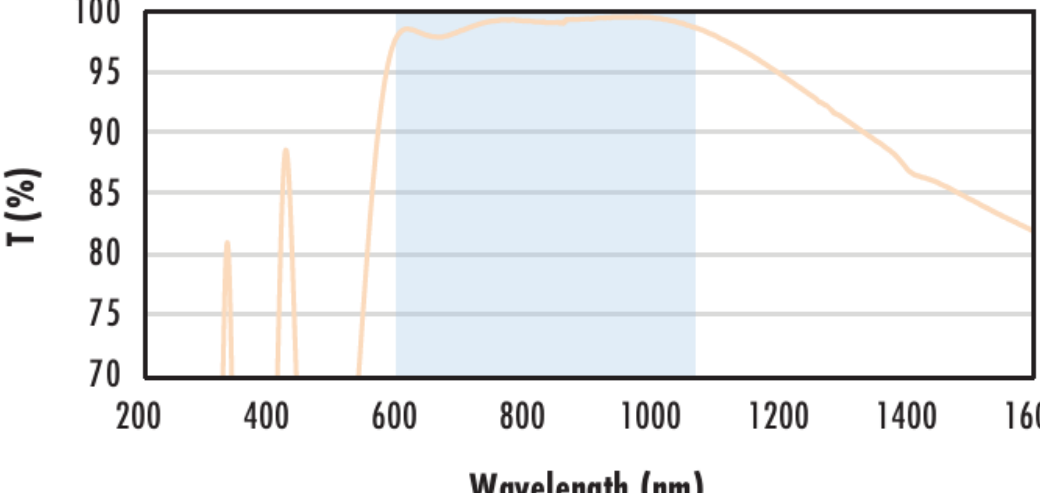
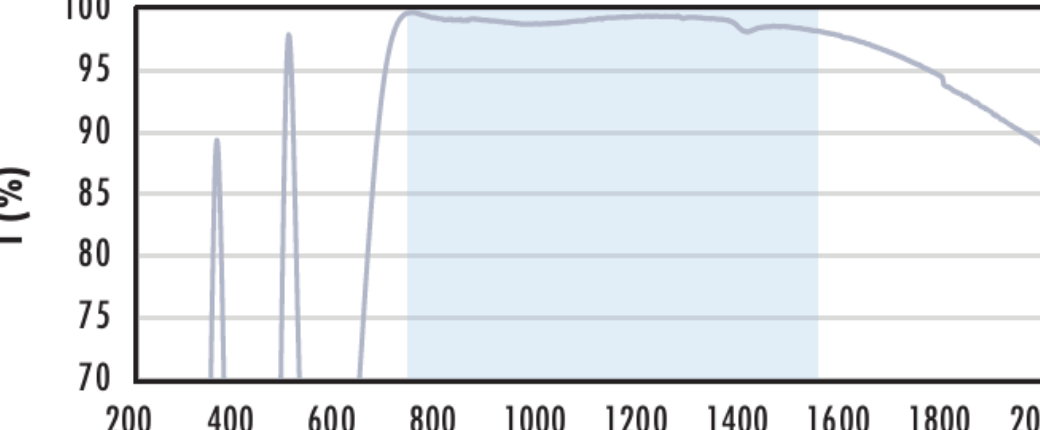
Description produit

- Traitées AR pour procurer <0,4% de réflectivité par surface de 425 nm à 675 nm
- Conçues pour un angle d'incidence de 0°

Traitements disponibles : [Non Traitées](#), [VIS-EXT](#), [MgF₂](#), [VIS-NIR](#), [YAG-BBAR](#), [NIR I](#) et [NIR II](#)
Les Lentilles Plan-Concaves (PCV) Traitées VIS 0° 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 VIS 0° TECHSPEC® sont mieux utilisées dans les situations où l'angle d'incidence est de 0o et elles fournissent une transmission optimisée dans la gamme de 425 nm à 675 nm. Ces lentilles sont également disponibles [Non Traitées](#) et en options de traitement AR [VIS-EXT](#), [MgF₂](#), [VIS-NIR](#), [YAG-BBAR](#), [NIR I](#) ou [NIR II](#).



N-BK7	
Uncoated N-BK7 Typical Transmission The graph shows transmission T (%) on the y-axis (70 to 100) versus wavelength (nm) on the x-axis (200 to 2200). The transmission curve starts at approximately 70% at 200 nm, rises sharply to about 92% by 400 nm, and then remains relatively flat, ending at approximately 88% at 2200 nm.	Typical transmission of a 3mm thick, uncoated N-BK7 window across the UV - NIR spectra. Click Here to Download Data
N-BK7 with MgF₂ Coating Typical Transmission The graph shows transmission T (%) on the y-axis (70 to 100) versus wavelength (nm) on the x-axis (200 to 2200). The transmission curve starts at approximately 70% at 200 nm, rises to about 98% by 400 nm, and then gradually decreases to approximately 90% at 2200 nm. A blue shaded region highlights the coating design wavelength range from approximately 400 nm to 700 nm.	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 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 The graph shows transmission T (%) on the y-axis (70 to 100) versus wavelength (nm) on the x-axis (200 to 1200). The transmission curve starts at approximately 70% at 200 nm, rises to about 98% by 400 nm, and then gradually decreases to approximately 78% at 1200 nm. A blue shaded region highlights the coating design wavelength range from approximately 350 nm to 700 nm.	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 The graph shows transmission T (%) on the y-axis (95 to 100) versus wavelength (nm) on the x-axis (400 to 1000). The transmission curve starts at approximately 95% at 400 nm, rises to about 98% by 600 nm, and then gradually decreases to approximately 95% at 1000 nm. A blue shaded region highlights the coating design wavelength range from approximately 400 nm to 1000 nm.	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: $R_{abs} \leq 0.25\% @ 880nm$ $R_{avg} \leq 1.25\% @ 400 - 870nm$ $R_{avg} \leq 1.25\% @ 890 - 1000nm$ Data outside this range is not guaranteed and is for reference only. 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: $R_{avg} \leq 0.4\% @ 425 - 675nm$ 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: $R_{abs} \leq 0.25\% @ 532nm$ $R_{abs} \leq 0.25\% @ 1064nm$ $R_{avg} \leq 1.0\% @ 500 - 1100nm$ Data outside this range is not guaranteed and is for reference only. 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: $R_{avg} \leq 0.5\% @ 600 - 1050nm$ 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 	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 wavelength 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. Click Here to Download Data

Wavelength (nm)

Coating Curves

Montures compatibles

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