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TECHSPEC®

Lentille Biconvexe UV, Non Traitée, 50 mm de dia. x 150 mm FL



UV Fused Silica Double-Convex (DCX) Lenses



Stock **#22-428** 10 In Stock

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-

1

+

€315^{.00}

AJOUTER AU PANIER

Prix sur Quantité	
Qté 1-5	€315,00 prix unitaire
Qté 6-25	€252,00 prix unitaire
Qté 26-49	€236,00 prix unitaire
Need More?	Demande de Devis

Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

Caractéristiques du produit

Double-Convex Lens

Type:

Propriétés physiques et mécaniques

50.00 +0.0/-0.025	Diamètre (mm):
<1	Centrage (arcmin):
Protective as needed	Biseau:
5.81 ±0.10	Épaisseur Centrale CT (mm):
1.20	Épaisseur au Bord ET (mm):
49.00	Ouverture Utile CA (mm):
Propriétés optiques	
148.00	Distance Focale Arrière BFL (mm):
150.00	Distance Focale EFL (mm):
Uncoated	Traitement:
Uncoated	Spécification du Traitement:
Fused Silica (Corning 7980)	Substrat: ☐
40-20	Qualité de Surface:
1.5λ	Power (P-V) @ 632.8nm:
λ/4	Irregularity (P-V) @ 632.8nm:
136.62	Rayon R ₁ =R ₂ (mm):
3.00	f/#:
587.6	Longueur d'Onde à la Focale Donnée (nm):
±1	Tolérance Distance Focale (%):
0.17	Ouverture Numérique NA:
200 - 2200	Gamme de Longueur d'Onde (nm):

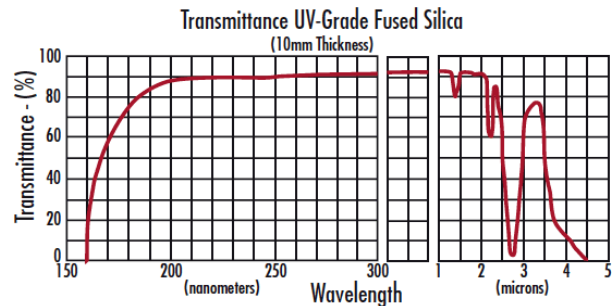
Conformité réglementaire	
Visionner	Certificate of Conformance:

Description produit

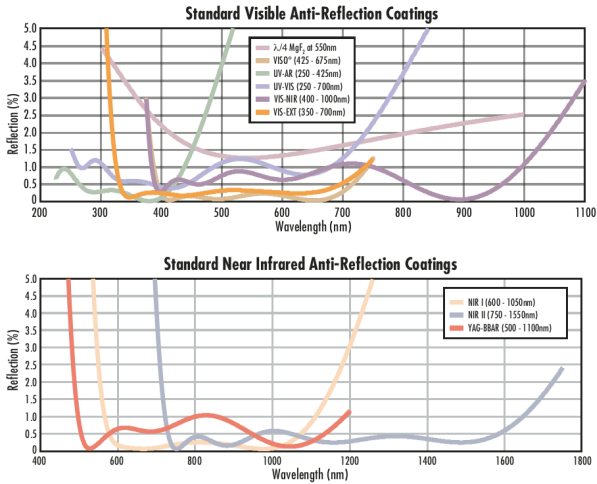
- Parfaites pour les applications d'imagerie
- Minimisent les aberrations sphériques et la coma
- Substrat de précision en silice fondue

Les Lentilles Biconvexes (DCX) en Silice Fondue UV TECHSPEC®, également appelées lentilles double-convexes (DCX), ont deux faces positives et symétriques avec des rayons égaux des deux côtés. Ces lentilles sont généralement recommandées pour les applications d'imagerie finie avec un rapport conjugué (rapport entre la distance de l'objet et la distance de l'image) compris entre 0,2 et 5. Avec un rapport de conjugaison de 1, les aberrations telles que l'aberration sphérique, l'aberration chromatique, la coma et la distorsion sont minimisées ou annulées grâce à la conception symétrique de la lentille. Les Lentilles Biconvexes (DCX) en Silice Fondue UV TECHSPEC® ont un substrat de précision en silice fondue. Ces lentilles sont disponibles sans traitement ou avec des traitements UV-AR, UV-VIS, VIS-EXT, VIS-NIR, VIS 0°, NIR I, ou NIR II.

Informations techniques

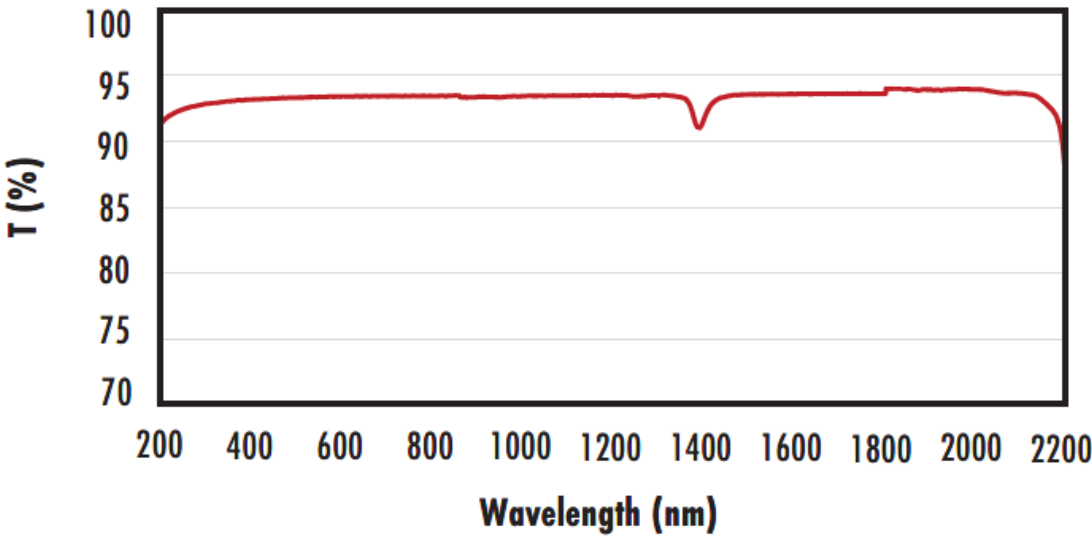


UV FS Transmission Curve



FUSED SILICA

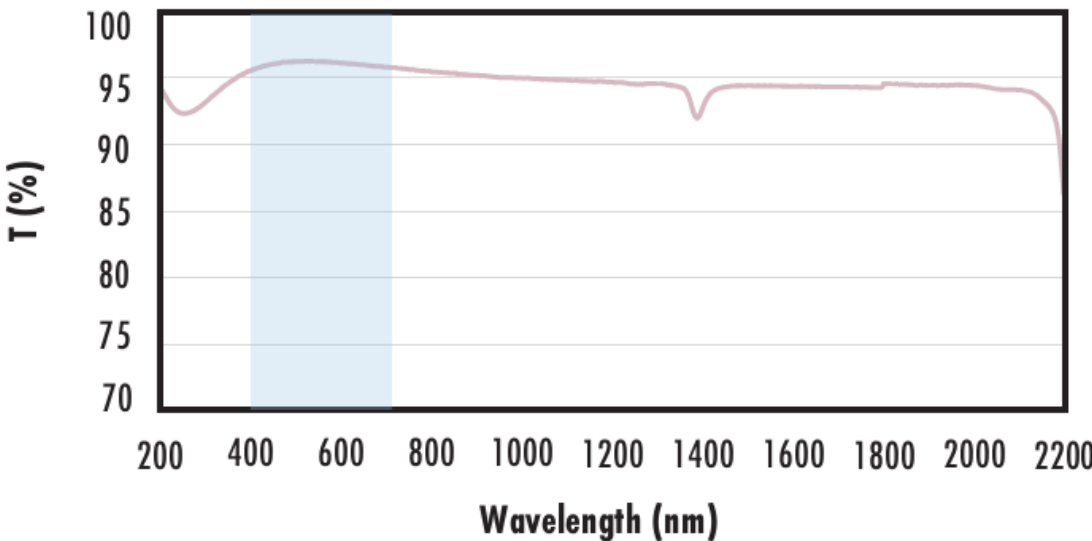
Uncoated Fused Silica
Typical Transmission



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

[Click Here to Download Data](#)

Fused Silica with MgF₂ Coating
Typical Transmission



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

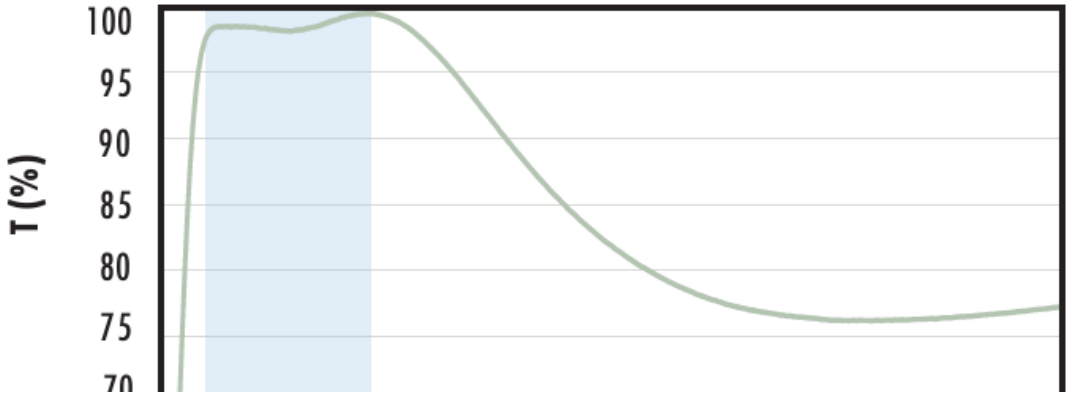
The blue shaded region indicates the coating design wavelength range, with the following specification:

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

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

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Fused Silica with UV-AR Coating
Typical Transmission



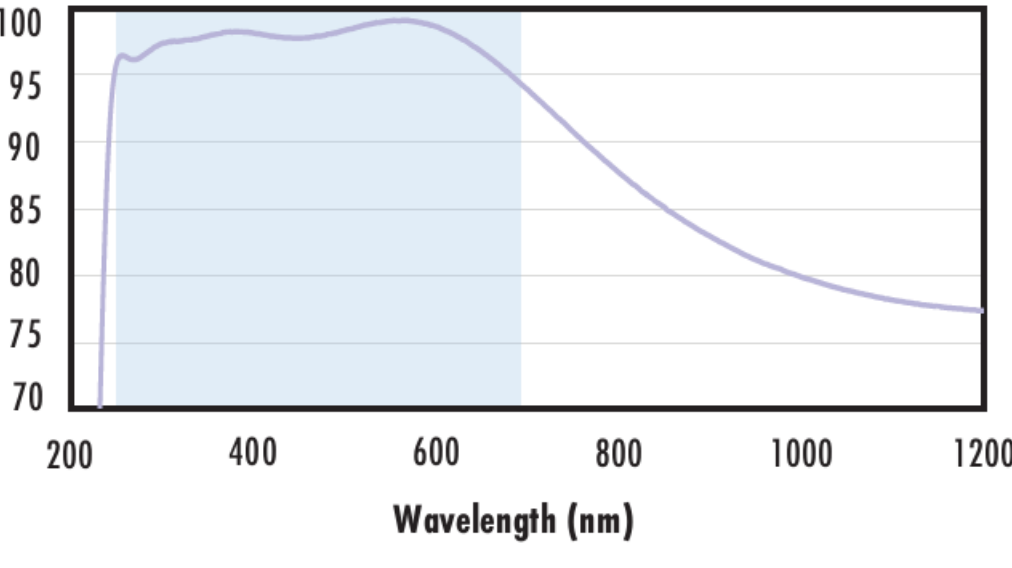
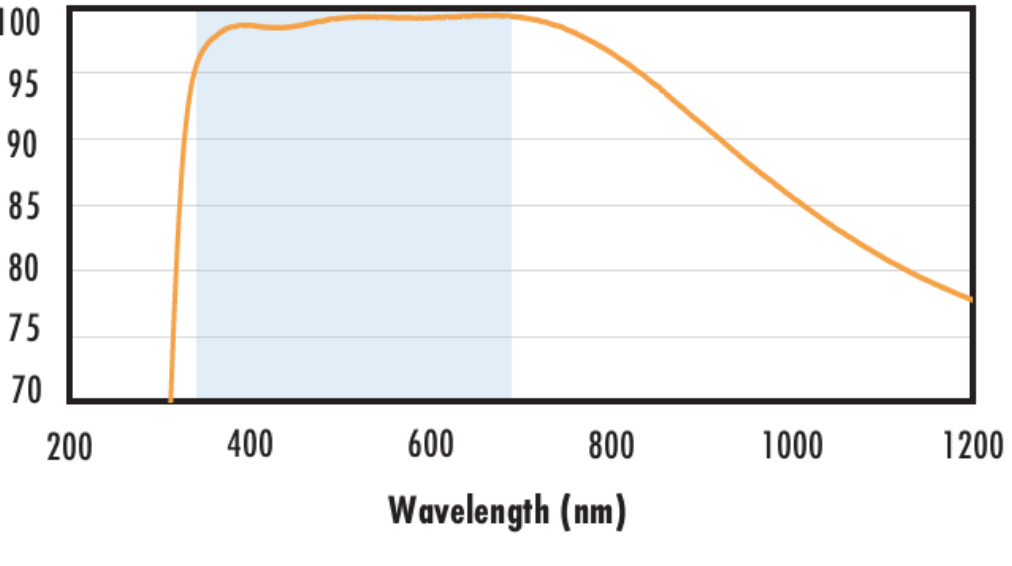
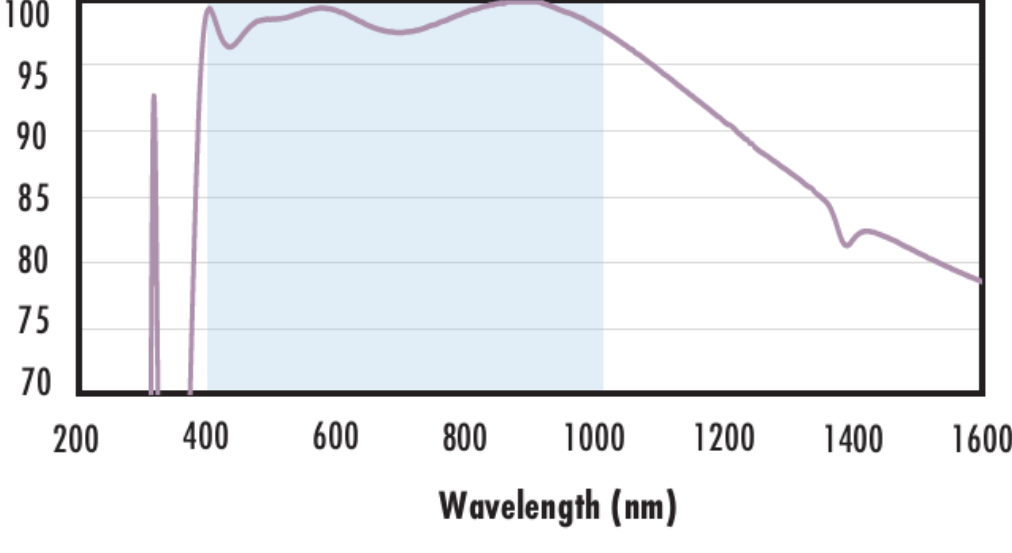
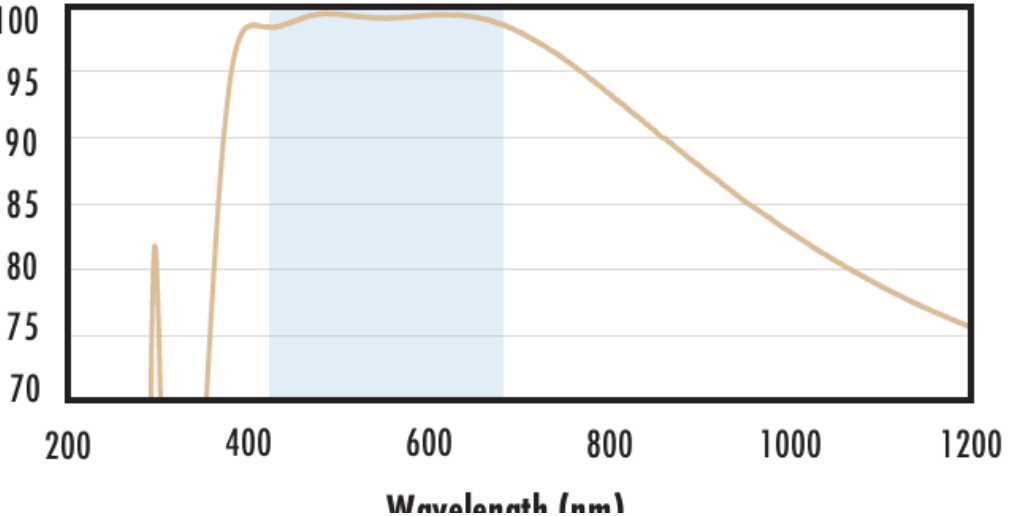
Typical transmission of a 3mm thick fused silica window with UV-AR (250-425nm) coating at 0° AOI.

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

$R_{abs} \leq 1.0\% @ 250 - 425\text{nm}$
 $R_{avg} \leq 0.75\% @ 250 - 425\text{nm}$
 $R_{avg} \leq 0.5\% @ 370 - 420\text{nm}$

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

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Fused Silica with UV-VIS Coating Typical Transmission 	Typical transmission of a 3mm thick fused silica window with UV-VIS (250-700nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{abs} \leq 1.0\% \text{ @ } 350 - 450\text{nm}$$R_{avg} \leq 1.5\% \text{ @ } 250 - 700\text{nm}$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
Fused Silica with VIS-EXT Coating Typical Transmission 	Typical transmission of a 3mm thick fused silica window with VIS-EXT (350-700nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{avg} \leq 0.5\% \text{ @ } 350 - 700\text{nm}$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
Fused Silica with VIS-NIR Coating Typical Transmission 	Typical transmission of a 3mm thick fused silica window with VIS-NIR (400-1000nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{abs} \leq 0.25\% \text{ @ } 880\text{nm}$$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
Fused Silica with VIS 0° Coating Typical Transmission 	Typical transmission of a 3mm thick fused silica 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

