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TECHSPEC[®] Lentille Biconvexe UV Traitée NIR-II, 6 mm de dia. x 6 mm FL



UV Fused Silica Double-Convex (DCX) Lenses



Stock **#22-176** 2 In Stock

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-

1

+

€146^{.00}

AJOUTER AU PANIER

Prix sur Quantité	
Qté 1-5	€146,00 prix unitaire
Qté 6-25	€117,00 prix unitaire
Qté 26-49	€110,00 prix unitaire
Need More?	Demande de Devis

❗ Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

Caractéristiques du produit

Type:

Double-Convex Lens

Propriétés physiques et mécaniques

6.00 +0.0/-0.025	Diamètre (mm):
<1	Centrage (arcmin):
Protective as needed	Biseau:
4.10 ±0.05	Épaisseur Centrale CT (mm):
1.97	Épaisseur au Bord ET (mm):
5.4	Ouverture Utile CA (mm):

Propriétés optiques

4.38	Distance Focale Arrière BFL (mm):
6.00	Distance Focale EFL (mm):
NIR II (750-1550nm)	Traitement:
R _{abs} ≤1.5% @ 750 - 800nm R _{abs} ≤1.0% @ 800 - 1550nm R _{avg} ≤0.7% @ 750 - 1550nm	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:
4.76	Rayon R ₁ =R ₂ (mm):
1.00	f/#:
587.6	Longueur d'Onde à la Focale Donnée (nm):
±1	Tolérance Distance Focale (%):
0.50	Ouverture Numérique NA:
750 - 1550	Gamme de Longueur d'Onde (nm):
8 J/cm² @ 1064nm, 10ns	Damage Threshold, Reference: ☐

Conformité réglementaire

Conforme	RoHS 2015:
Visionner	Certificate of Conformance:
Conforme	Reach 235:

Description produit

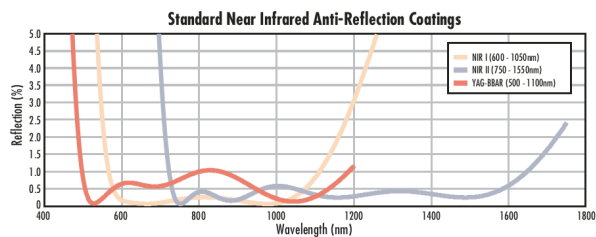
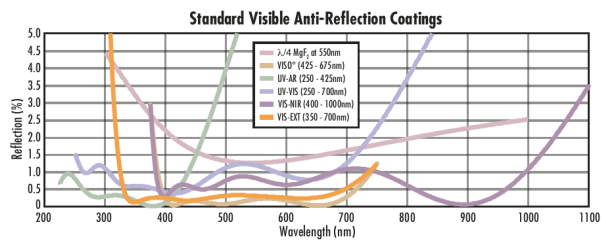
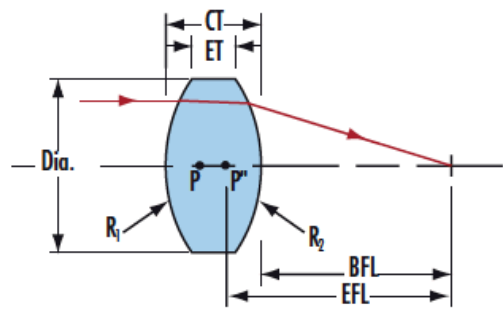
- Parfaites pour les applications d'imagerie
- Minimisent les aberrations sphériques et la coma
- Substrat de précision en silice fondue

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.

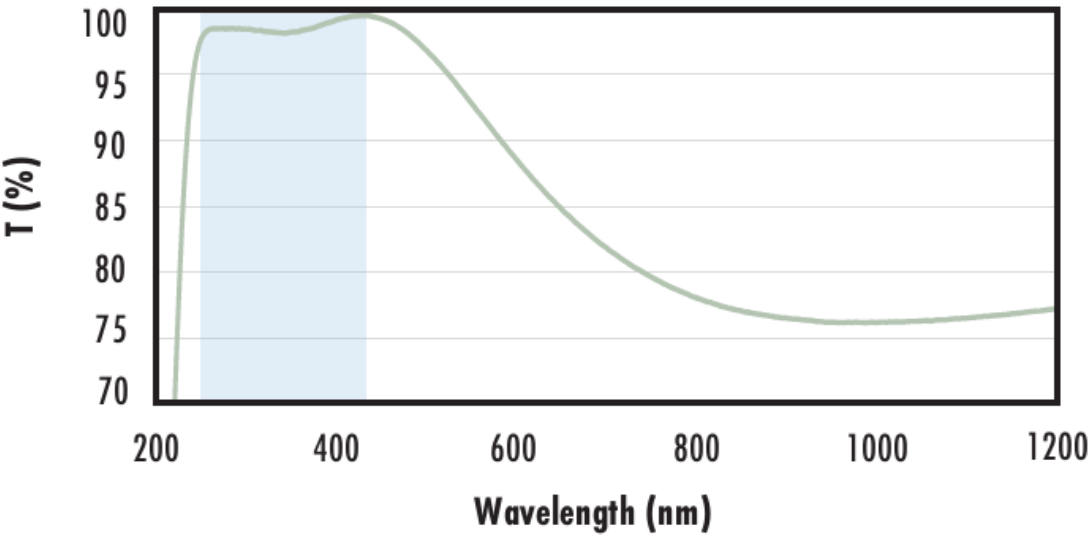
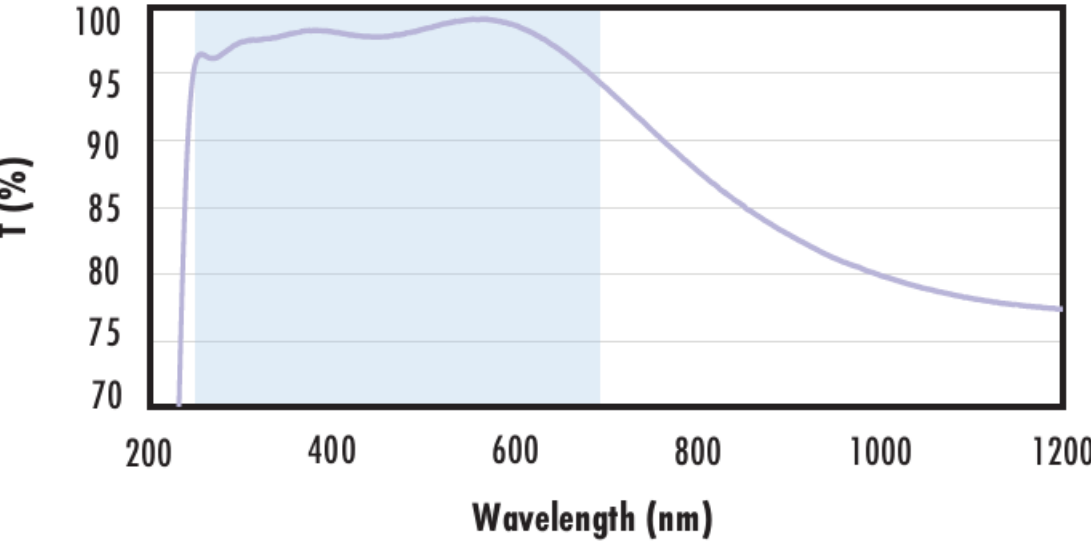
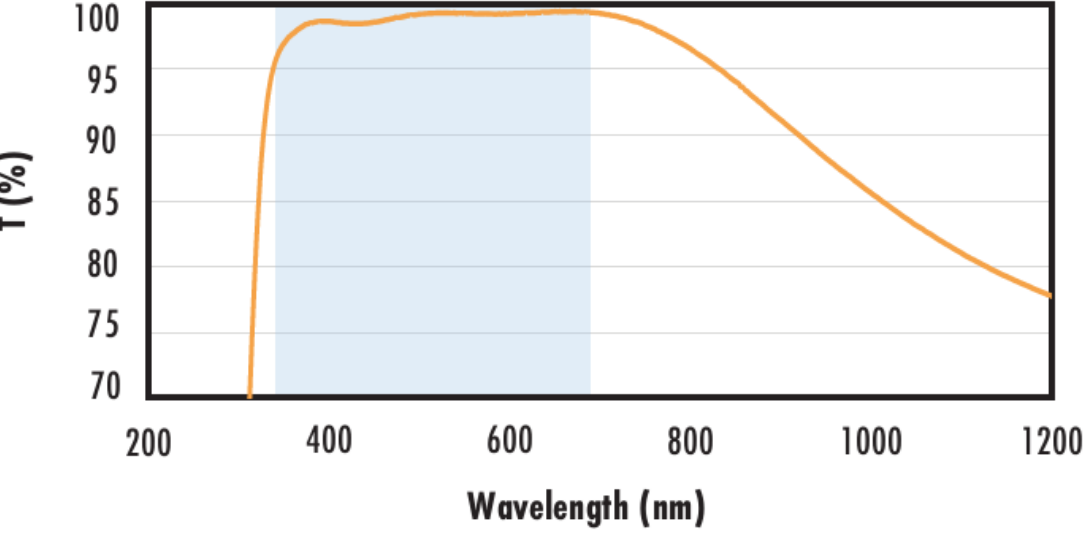
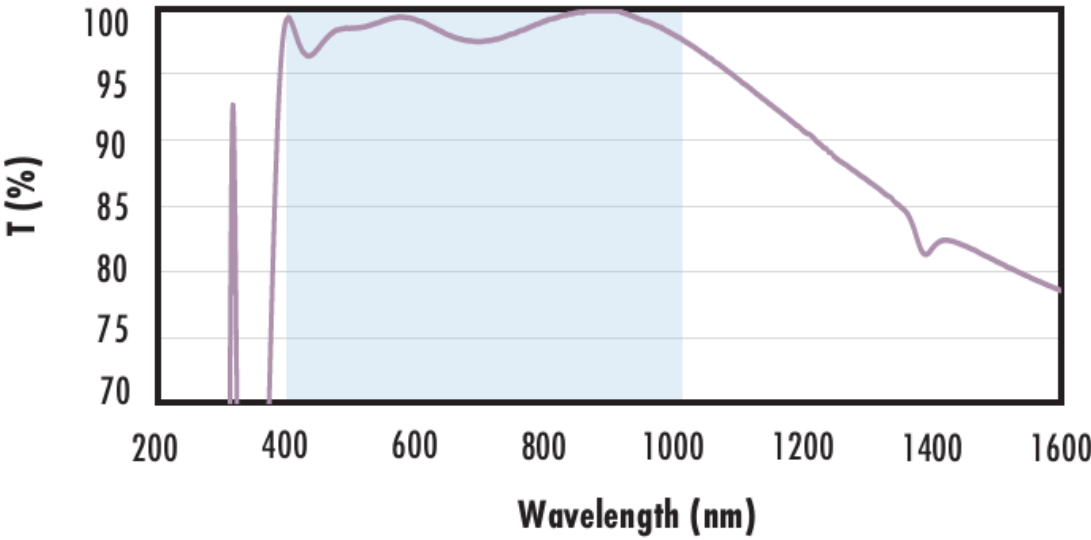
Informations techniques

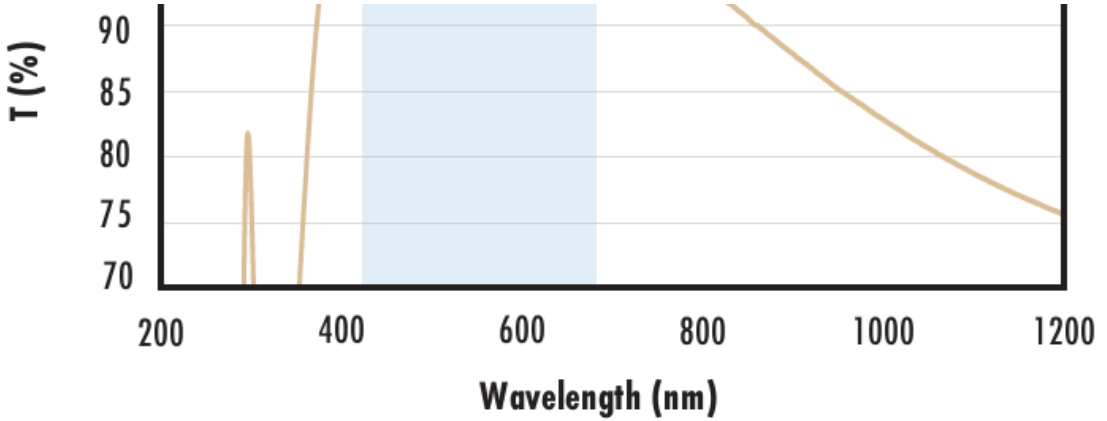
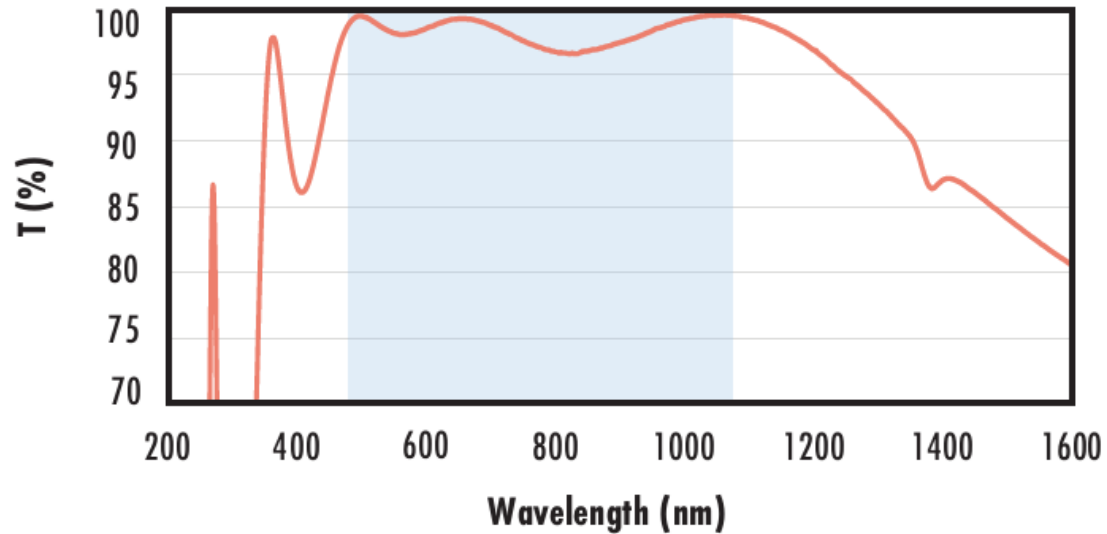
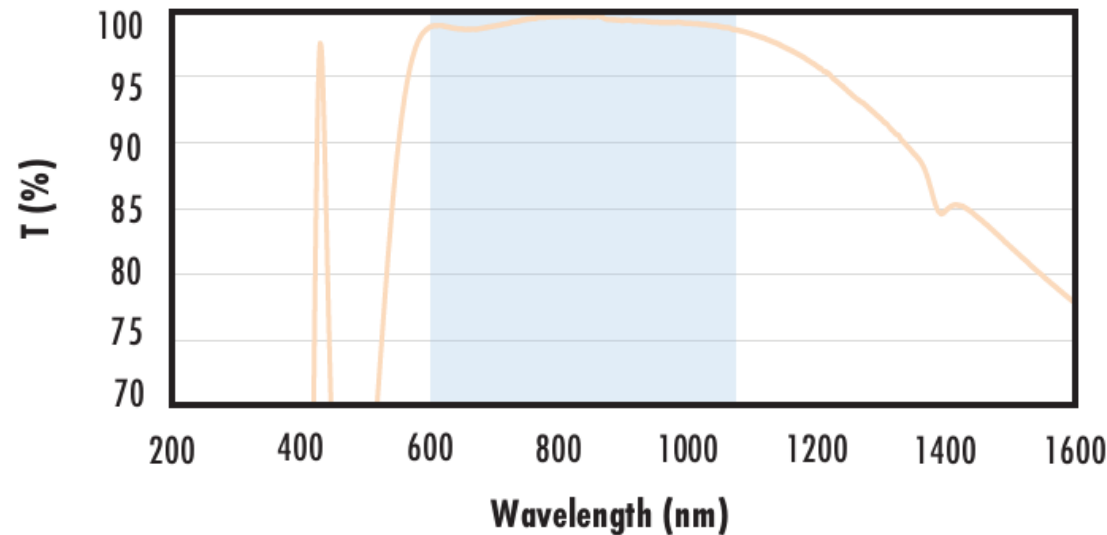
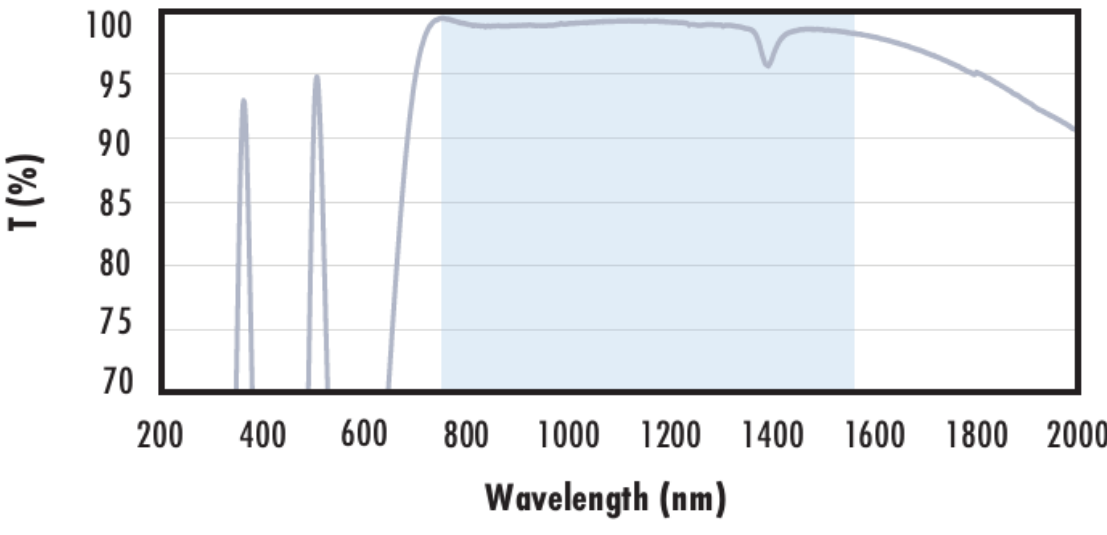


UV FS Transmission Curve



FUSED SILICA	
Uncoated Fused Silica Typical Transmission T (%) 200 400 600 800 1000 1200 1400 1600 1800 2000 2200 Wavelength (nm)	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 T (%) 200 400 600 800 1000 1200 1400 1600 1800 2000 2200 Wavelength (nm)	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} ≤ 1.75% @ 400 - 700nm (N-BK7) Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
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. Click Here to Download Data
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: $R_{abs} \leq 1.0\% @ 350 - 450\text{nm}$ $R_{avg} \leq 1.5\% @ 250 - 700\text{nm}$ 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: $R_{avg} \leq 0.5\% @ 350 - 700\text{nm}$ 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: $R_{abs} \leq 0.25\% @ 880\text{nm}$ $R_{avg} \leq 1.25\% @ 400 - 870\text{nm}$ $R_{avg} \leq 1.25\% @ 890 - 1000\text{nm}$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
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: $R_{avg} \leq 0.4\% @ 425 - 675\text{nm}$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
Fused Silica with YAG-BBAR Coating Typical Transmission 	Typical transmission of a 3mm thick fused silica window with YAG-BBAR (500-1100nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{abs} \leq 0.25\% @ 532\text{nm}$ $R_{abs} \leq 0.25\% @ 1064\text{nm}$ $R_{avg} \leq 1.0\% @ 500 - 1100\text{nm}$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
Fused Silica with NIR I Coating Typical Transmission 	Typical transmission of a 3mm thick fused silica window with NIR I (600 - 1050nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{avg} \leq 0.5\% @ 600 - 1050\text{nm}$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
Fused Silica with NIR II Coating Typical Transmission 	Typical transmission of a 3mm thick fused silica window with NIR II (750 - 1550nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{abs} \leq 1.5\% @ 750 - 800\text{nm}$ $R_{abs} \leq 1.0\% @ 800 - 1550\text{nm}$ $R_{avg} \leq 0.7\% @ 750 - 1550\text{nm}$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data

Sur mesure

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