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TECHSPEC®

Lentille Plan-Convexe UV Non Traitée, 75 mm de dia. x 125 mm FL



UV Fused Silica Plano-Convex (PCX) Lenses



Stock **#70-890** 20+ In Stock

-

1

+

€640^{.00}

AJOUTER AU PANIER

Prix sur Quantité	
Qté 1-5	€640,00 prix unitaire
Qté 6-25	€510,00 prix unitaire
Qté 26-49	€480,00 prix unitaire
Need More?	Demande de Devis

Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

Caractéristiques du produit

Plano-Convex Lens

Type:

Propriétés physiques et mécaniques

75.00 +0.00/-0.025	Diamètre (mm):
<1	Centrage (arcmin):
18.00 ±10	Épaisseur Centrale CT (mm):
4.03	Épaisseur au Bord ET (mm):
73.5	Ouverture Utile CA (mm):
Protective as needed	Biseau:
Propriétés optiques	
125.00	Distance Focale EFL (mm):
112.66	Distance Focale Arrière BFL (mm):
Uncoated	Traitement:
Fused Silica	Substrat: □
40-20	Qualité de Surface:
1.5λ	Power (P-V) @ 632.8nm:
λ/4	Irregularity (P-V) @ 632.8nm:
±1	Tolérance Distance Focale (%):
57.31	Rayon R ₁ (mm):
1.67	f/#:
0.29	Ouverture Numérique NA:
200 - 2200	Gamme de Longueur d'Onde (nm):
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

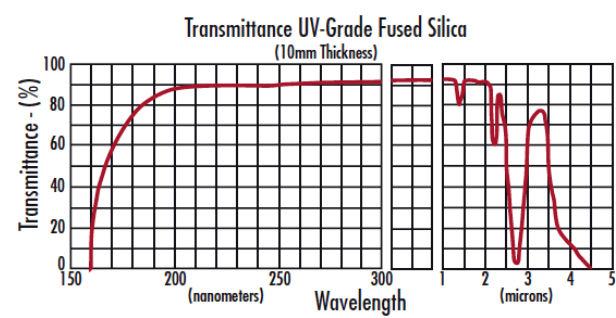
En savoir plus sur nos [capacités de fabrication sur mesure](#) ou soumettre une demande [ici](#).

Description produit

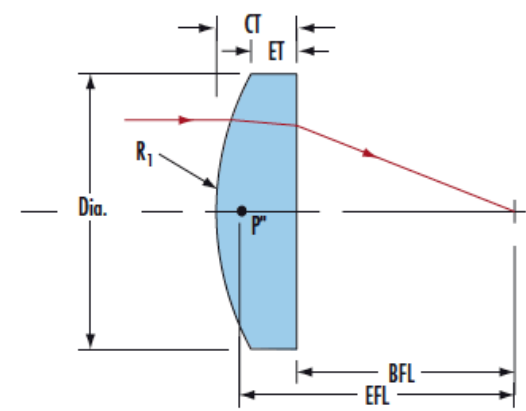
- Silice fondue indice UV
- Gamme de longueurs d'onde de 200 à 2,2 μm
- Différentes options de traitement disponibles : [MgF₂](#), [UV-AR](#), [UV-VIS](#), [VIS-EXT](#), [VIS-NIR](#), [VIS 0°](#), [YAG-BBAR](#), [NIR I](#) et [NIR II](#)

Les Lentilles Plan-Convexes (PCX) en Silice Fondue UV Non Traitées TECHSPEC® présentent des spécifications de précision et une variété d'options de traitement sur un substrat à large bande. La silice fondue est couramment utilisée dans des applications allant de l'ultraviolet (UV) au proche infrarouge (NIR). Son faible indice de réfraction, son faible coefficient de dilatation thermique et sa faible teneur en inclusions la rendent idéale pour les applications laser et les conditions environnementales difficiles. Les Lentilles Plan-Convexes (PCX) en Silice Fondue UV Non Traitées TECHSPEC® présentent des spécifications de centrage et de diamètre à la pointe de l'industrie, ce qui les rend idéales pour l'intégration dans des applications d'imagerie et de ciblage exigeantes.

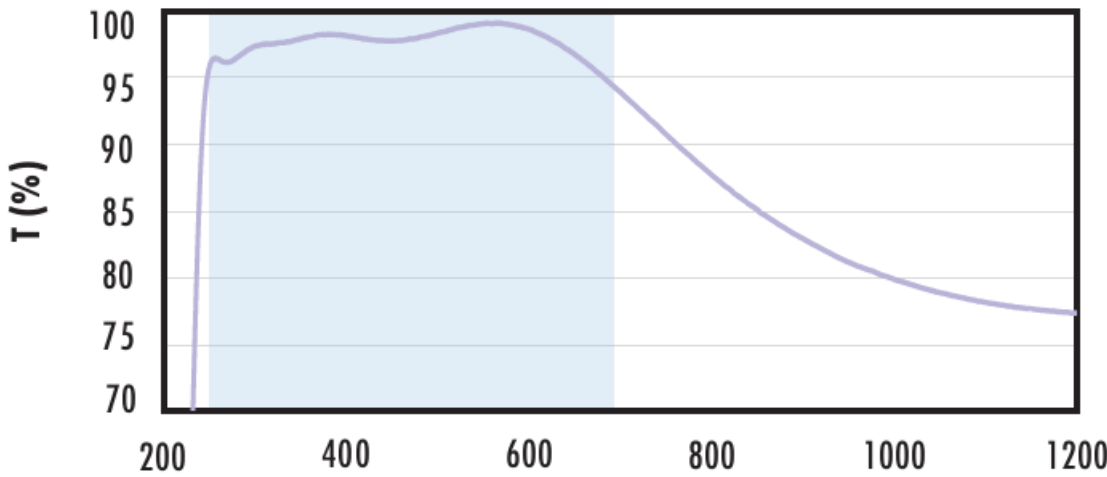
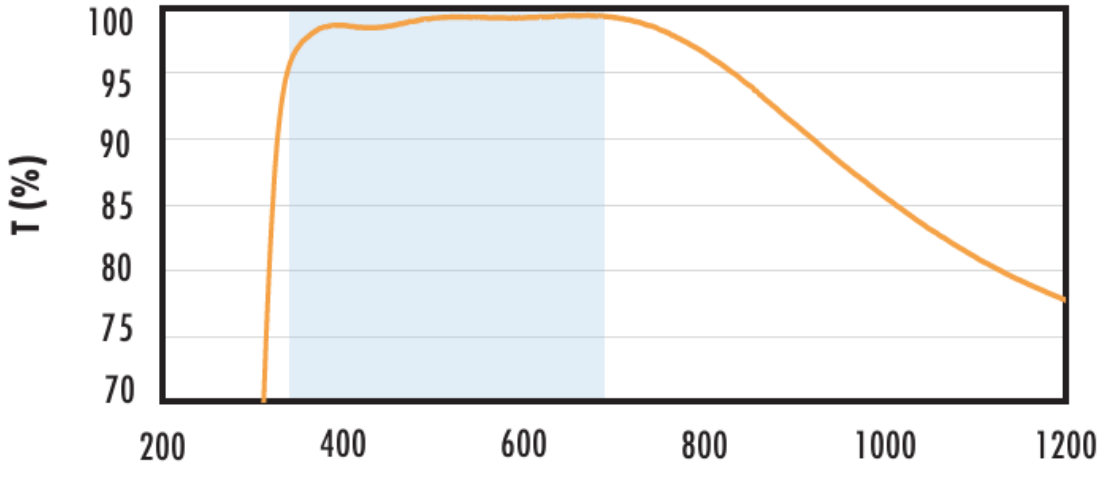
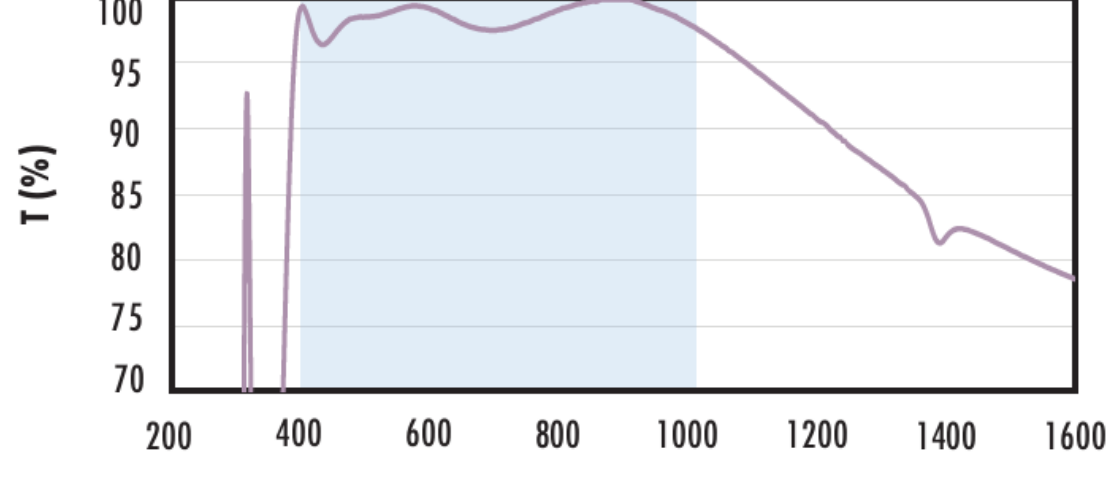
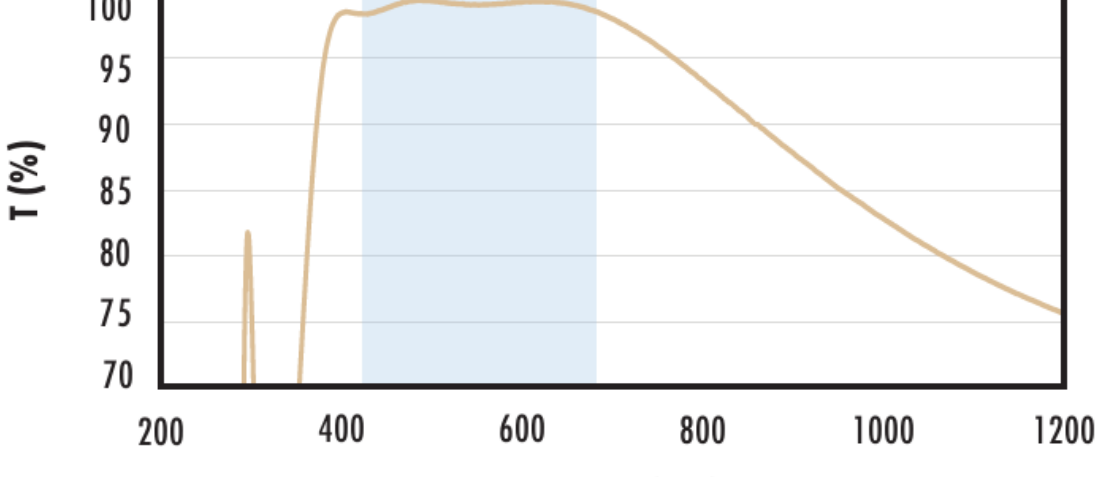
Informations techniques

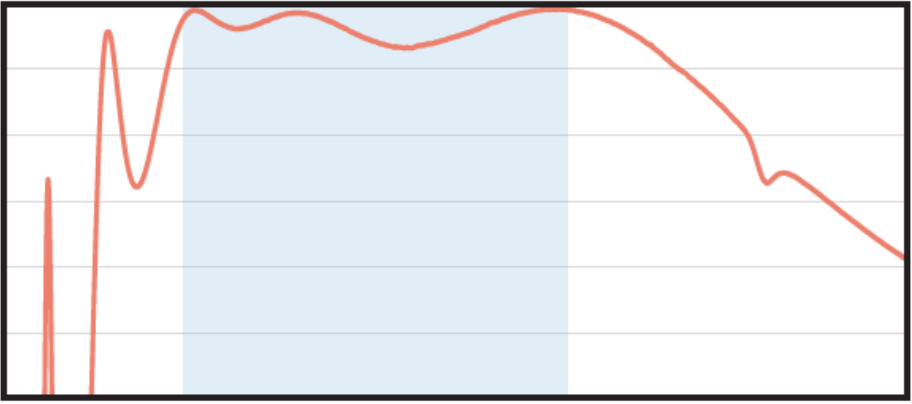
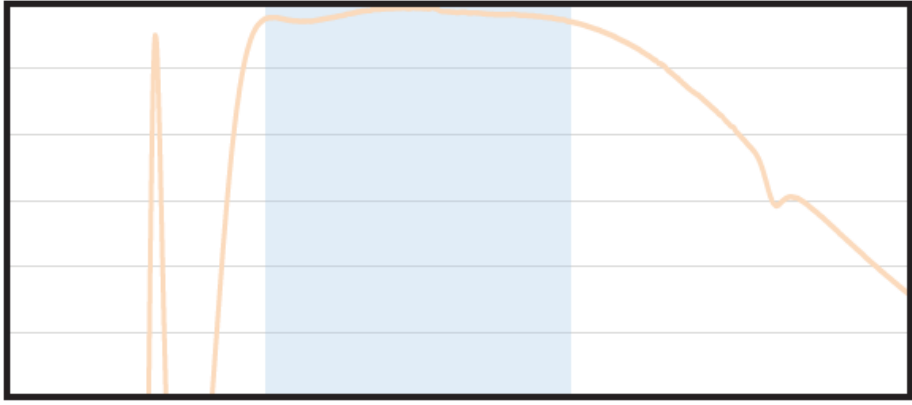
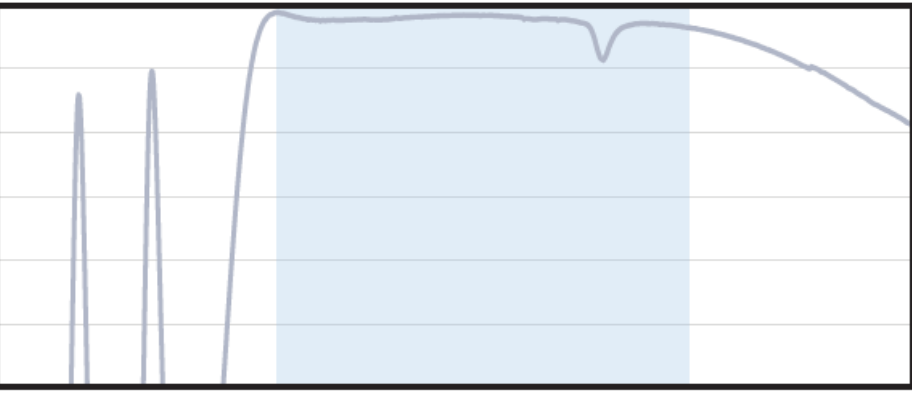


UV FS Transmission Curve



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. 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	

20040060080010001200 Wavelength (nm)	
Fused Silica with UV-VIS Coating Typical Transmission  20040060080010001200 Wavelength (nm)	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}$$R_{avg} \leq 1.5\% \text{ @ } 250 - 700\text{nm}$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
Fused Silica with VIS-EXT Coating Typical Transmission  20040060080010001200 Wavelength (nm)	Typical transmission of a 3mm thick fused silica window with VIS-EXT (350-700nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{avg} \leq 0.5\% \text{ @ } 350 - 700\text{nm}$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
Fused Silica with VIS-NIR Coating Typical Transmission  2004006008001000120014001600 Wavelength (nm)	Typical transmission of a 3mm thick fused silica window with VIS-NIR (400-1000nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{abs} \leq 0.25\% \text{ @ } 880\text{nm}$$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  20040060080010001200 Wavelength (nm)	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

Fused Silica with YAG-BBAR Coating Typical Transmission T (%) 100 95 90 85 80 75 70 200 400 600 800 1000 1200 1400 1600 Wavelength (nm) 	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: $R_{abs} \leq 0.25\%$ @ 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
Fused Silica with NIR I Coating Typical Transmission T (%) 100 95 90 85 80 75 70 200 400 600 800 1000 1200 1400 1600 Wavelength (nm) 	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 - 1050nm 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 T (%) 100 95 90 85 80 75 70 200 400 600 800 1000 1200 1400 1600 1800 2000 Wavelength (nm) 	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 - 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