

TECHSPEC[®] Lentille UV Plan-Convexe Traitée VIS-EXT, 15 mm de dia. x 75 mm FL



UV Fused Silica Plano-Convex (PCX) Lenses



Stock **#26-325** **5 In Stock**

-

1

+

€155^{,53}

AJOUTER AU PANIER

Prix sur Quantité	
Qté 1-5	€155,53 prix unitaire
Qté 6-25	€124,63 prix unitaire
Qté 26-49	€116,39 prix unitaire
Need More?	Demande de Devis

ⓘ Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

SPÉCIFICATIONS

Caractéristiques du produit

Type:	
Plano-Convex Lens	
Propriétés physiques et mécaniques	
Diamètre (mm):	
15.00 +0.0/-0.025	
Centrage (arcmin):	
<1	
Épaisseur Centrale CT (mm):	
3.00 ±0.10	
Épaisseur au Bord ET (mm):	
2.17	
Ouverture Utile CA (mm):	
14	
Biseau:	
Protective as needed	

Propriétés optiques	
Distance Focale EFL (mm):	
75.00 @ 587.6nm	
Distance Focale Arrière BFL (mm):	
72.94	
Traitement:	
VIS-EXT (350-700nm)	
Spécification du Traitement:	
R _{avg} <0.5% @ 350 - 700nm	
Substrat: ☐	
Fused Silica (Corning 7980)	
Qualité de Surface:	
40-20	
Power (P-V) @ 632.8nm:	
3 Rings	
Irregularity (P-V) @ 632.8nm:	
0.5 Rings	
Tolérance Distance Focale (%):	
±1	
Rayon R ₁ (mm):	
34.39	
f/#:	
5	
Ouverture Numérique NA:	
0.10	
Gamme de Longueur d'Onde (nm):	
350 - 700	
Damage Threshold, By Design: ☐	
5 J/cm ² @ 532nm, 10ns	

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

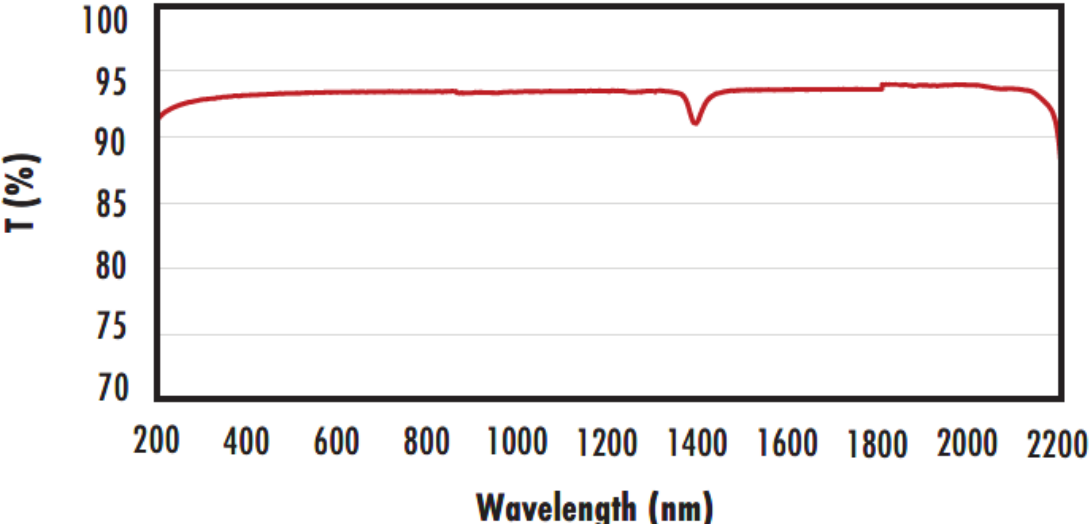
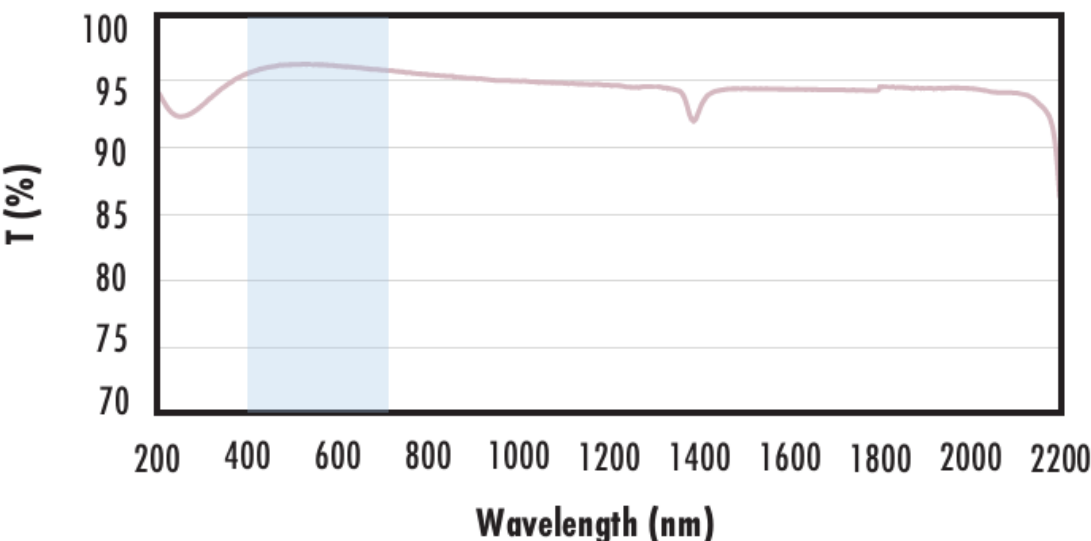
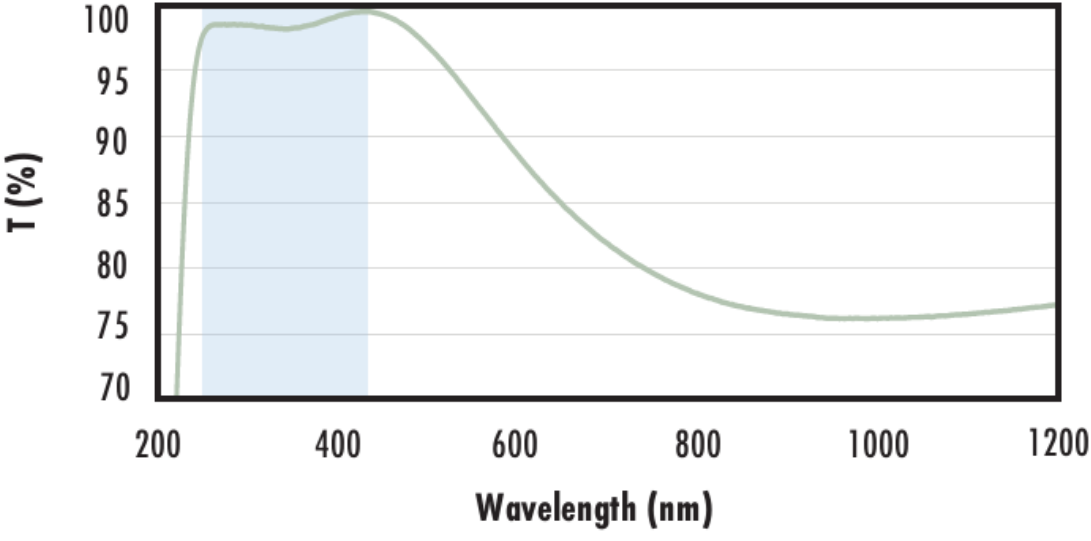
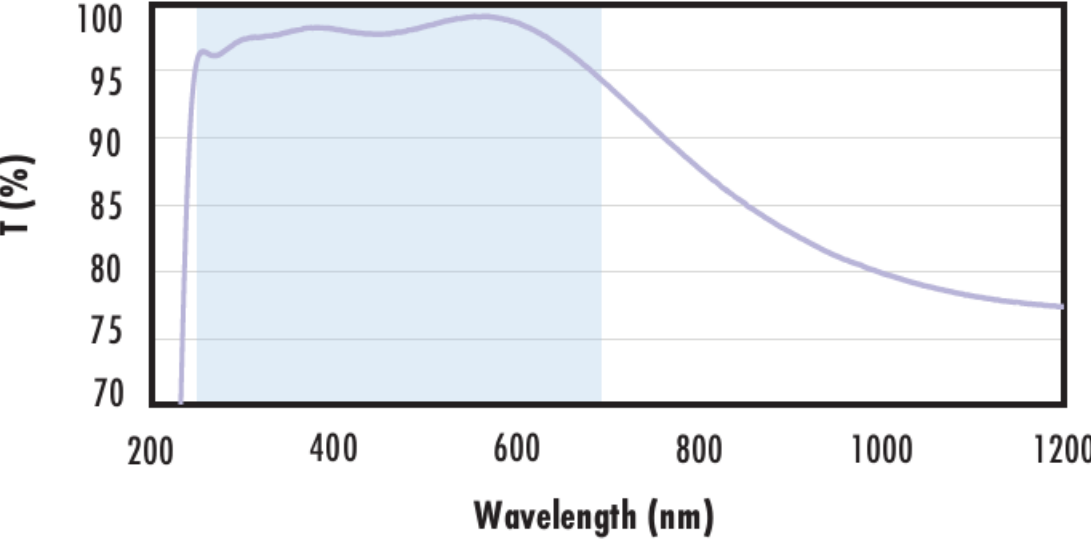
DESCRIPTION PRODUIT

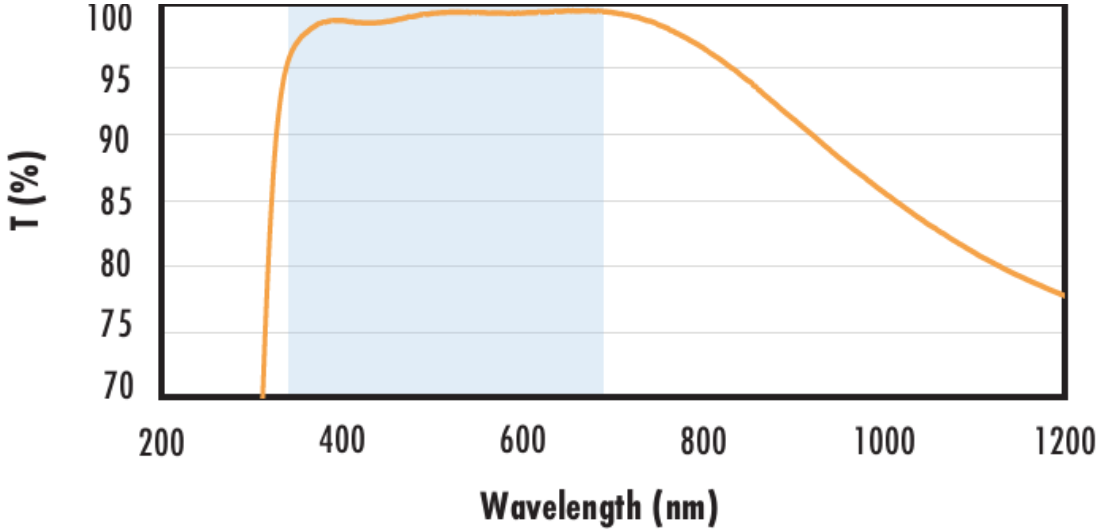
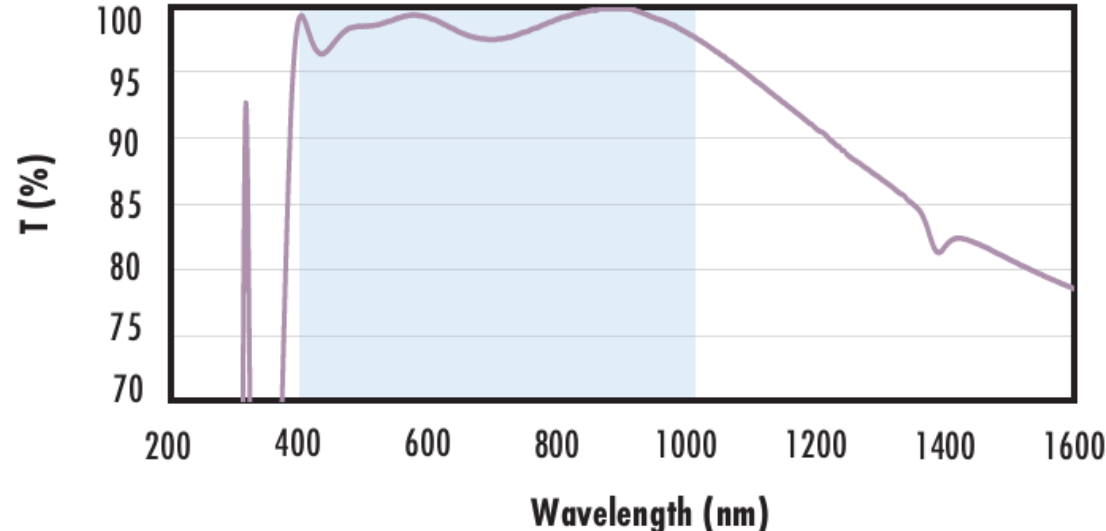
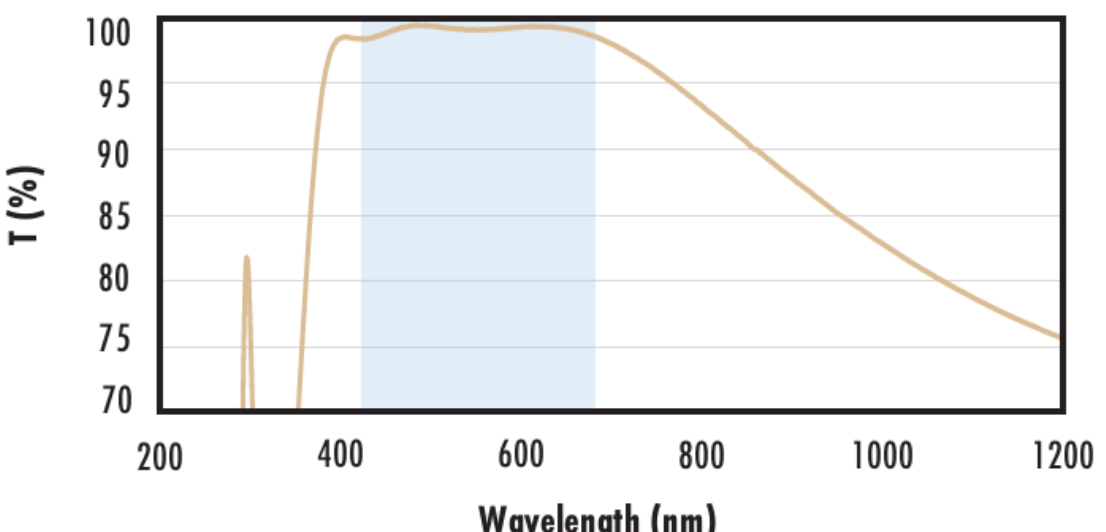
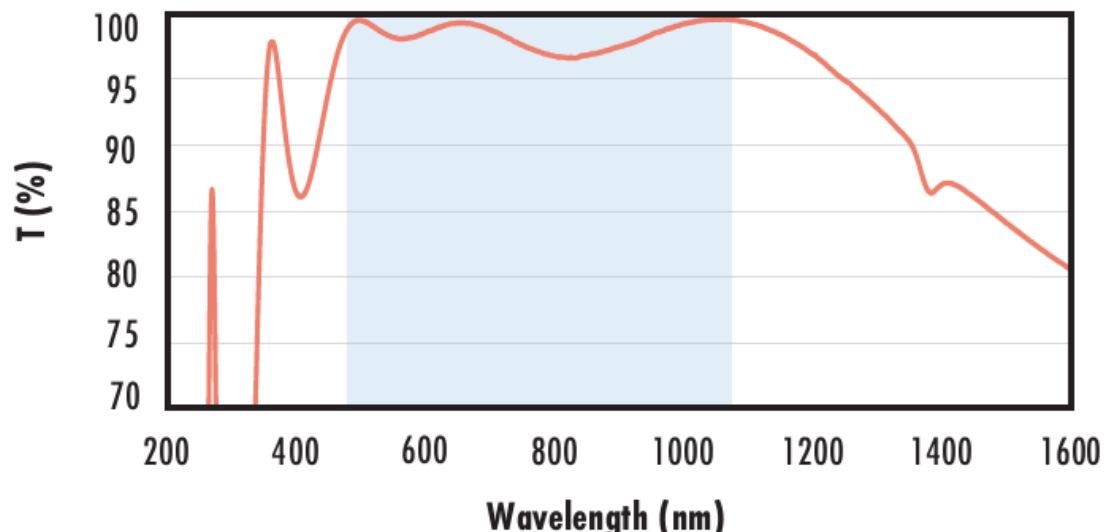
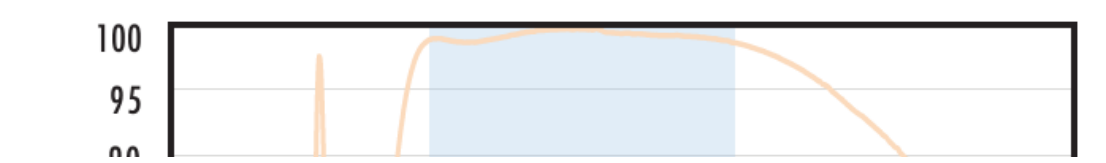
- Traitées AR pour procurer une réflexion <0,5% par surface de 350 à 700 nm
- Substrat en silice fondue de précision
- Diverses options de traitement : [non traitées](#), [MgF₂](#), [UV-AR](#), [UV-VIS](#), [VIS-NIR](#), [VIS 0°](#), [YAG-BBAR](#), [NIR I](#) et [NIR II](#)

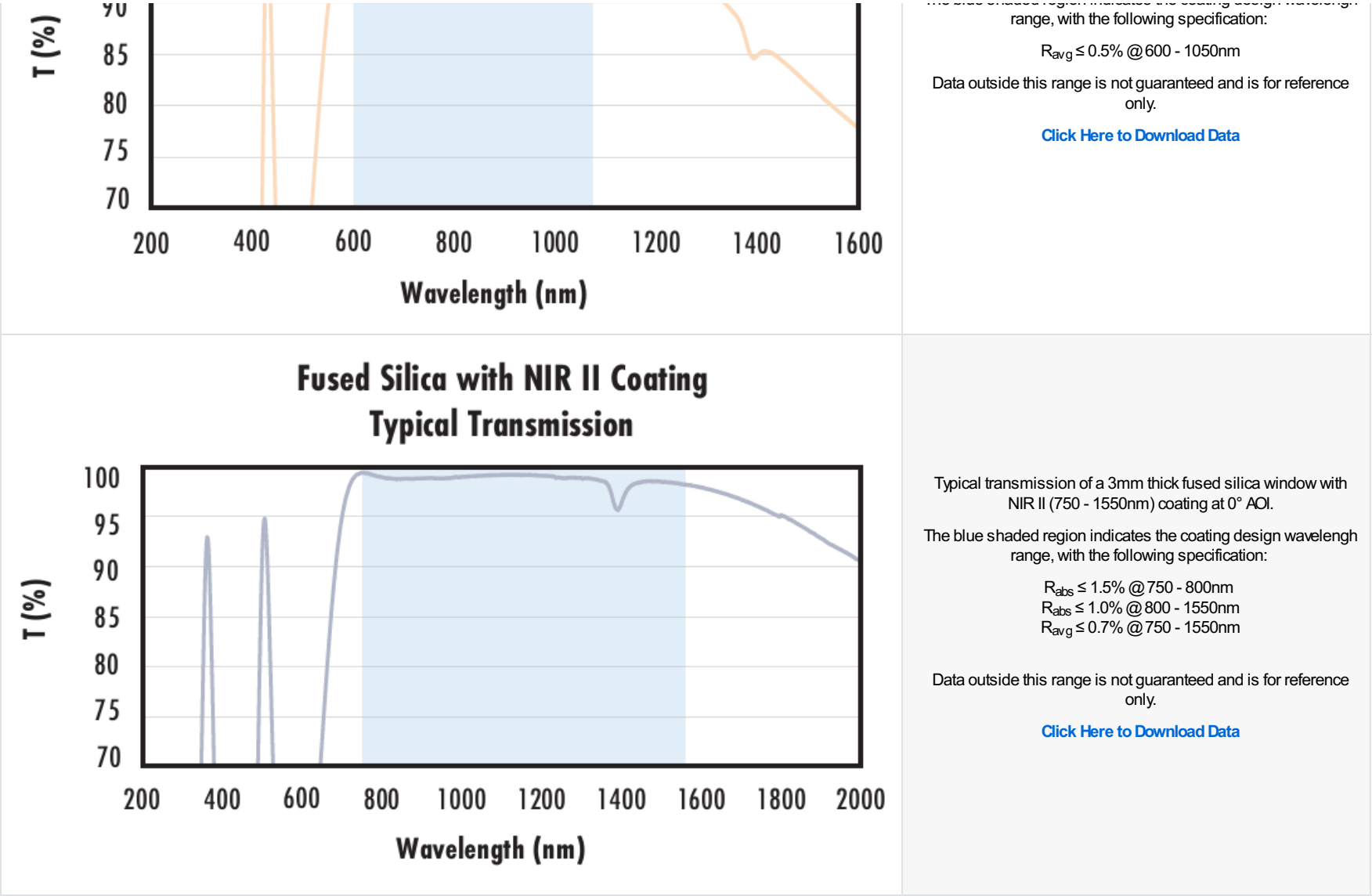
Les Lentilles Plan-Convexes (PCX) en Silice Fondue UV Traitées VIS-EXT TECHSPEC® présentent des spécifications de précision et une variété d'options de traitement sur un substrat à large bande. La silice fondue est couramment utilisée dans des applications allant de l'ultraviolet (UV) au proche infrarouge (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 Traitées VIS-EXT 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 mesure exigeantes. Ces lentilles sont dotées d'un traitement VIS-EXT afin d'augmenter leurs performances dans le domaine visible.

INFORMATIONS TECHNIQUES



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: $R_{avg} \leq 1.75\% @ 400 - 700nm$ (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: $R_{abs} \leq 1.0\% @ 250 - 425nm$ $R_{avg} \leq 0.75\% @ 250 - 425nm$ $R_{avg} \leq 0.5\% @ 370 - 420nm$ 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: $R_{abs} \leq 1.0\% @ 350 - 450nm$ $R_{avg} \leq 1.5\% @ 250 - 700nm$ 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 - 700nm 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: $R_{abs} \leq 0.25\%$ @ 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
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 - 675nm 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: $R_{abs} \leq 0.25\%$ @ 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 	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



SUR MESURE

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

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