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TECHSPEC[®] 12mm Dia. x -30mm EFL, Non Traité, Lentille DCV - UV



UV Fused Silica Plano-Concave (PCV) Lenses



Stock #48-055 1 In Stock

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-

1

+

€134^{.00}

AJOUTER AU PANIER

Prix sur Quantité	
Qté 1-5	€134,00 prix unitaire
Qté 6-25	€108,00 prix unitaire
Qté 26-49	€101,00 prix unitaire
Need More?	Demande de Devis

Les prix sont indiqués hors TVA et droits applicables.

Espace téléchargement

Caractéristiques du produit

Type:
Double-Concave Lens

Remarque:
Max. Flat Annulus is 0.3mm

Propriétés physiques et mécaniques	
Diamètre (mm):	12.00 +0.0/-0.025
Épaisseur Centrale CT (mm):	2.00
Tolérance Épaisseur Centrale (mm):	±0.05
Centrage (arcmin):	<1
Ouverture Utile CA (mm):	11.0
Épaisseur au Bord ET (mm):	3.18

Propriétés optiques	
Distance Focale EFL (mm):	-30.00
Substrat:	Fused Silica (Corning 7980)
f/#:	2.5
Ouverture Numérique NA:	0.20
Traitement:	Uncoated
Gamme de Longueur d'Onde (nm):	200 - 2200
Distance Focale Arrière BFL (mm):	-30.68
Longueur d'Onde à la Focale Donnée (nm):	587.6
Tolérance Distance Focale (%):	±2
Rayon R ₁ =R ₂ (mm):	-27.81
Qualité de Surface:	40-20
Power (P-V) @ 632.8nm:	1.5λ
Irregularity (P-V) @ 632.8nm:	λ/4

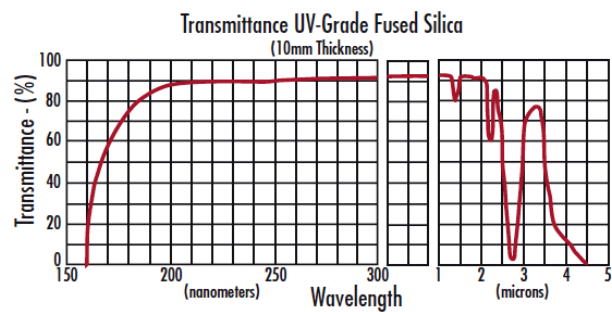
Conformité réglementaire	
RoHS 2015:	Conforme
Reach 219:	Conforme
Certificate of Conformance:	Visionner

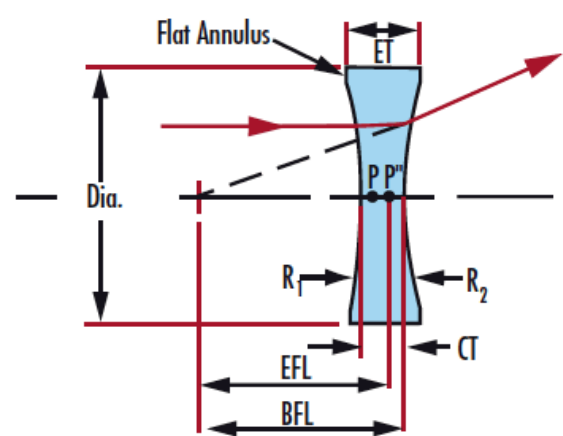
Description produit

- Distances focales négatives pour les applications d'expansion de faisceau ou de projection de lumière
- Gamme de longueurs d'onde de 200 à 2200 nm
- Option de traitement AR UV-populaire disponible

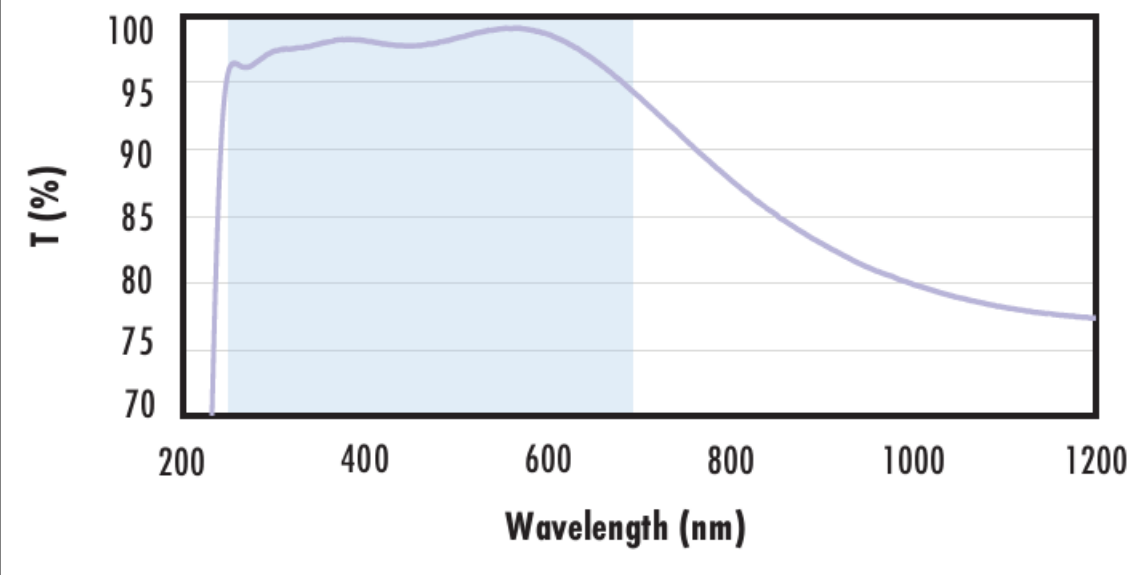
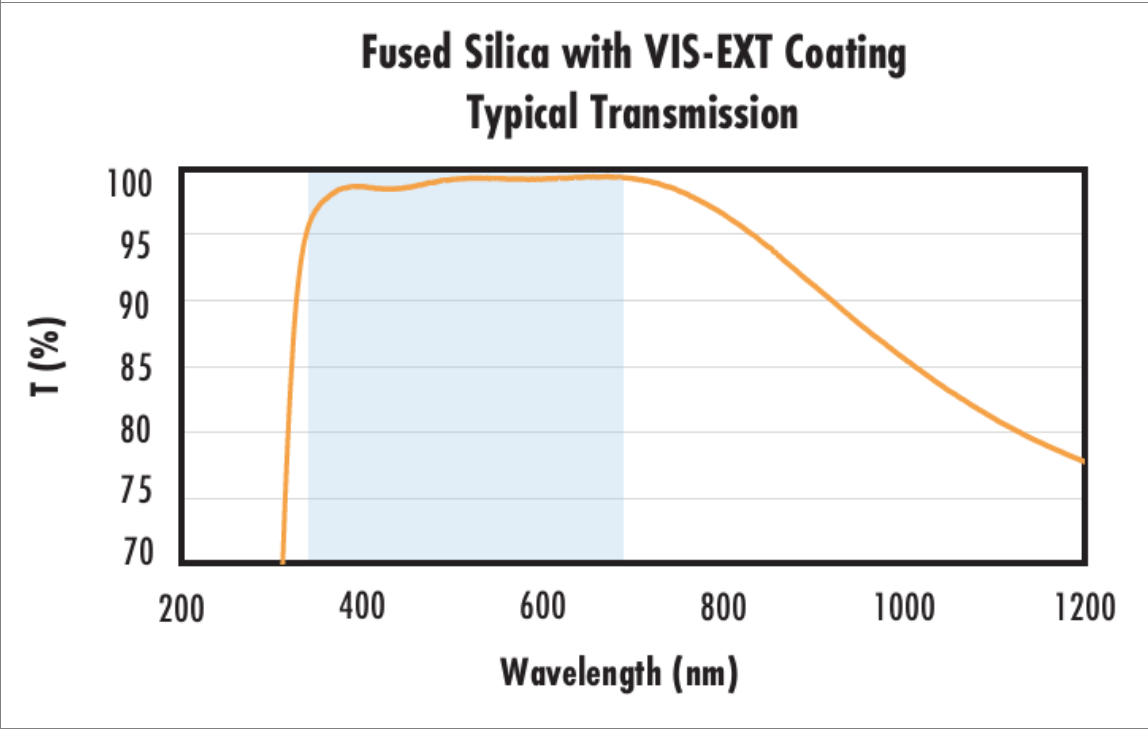
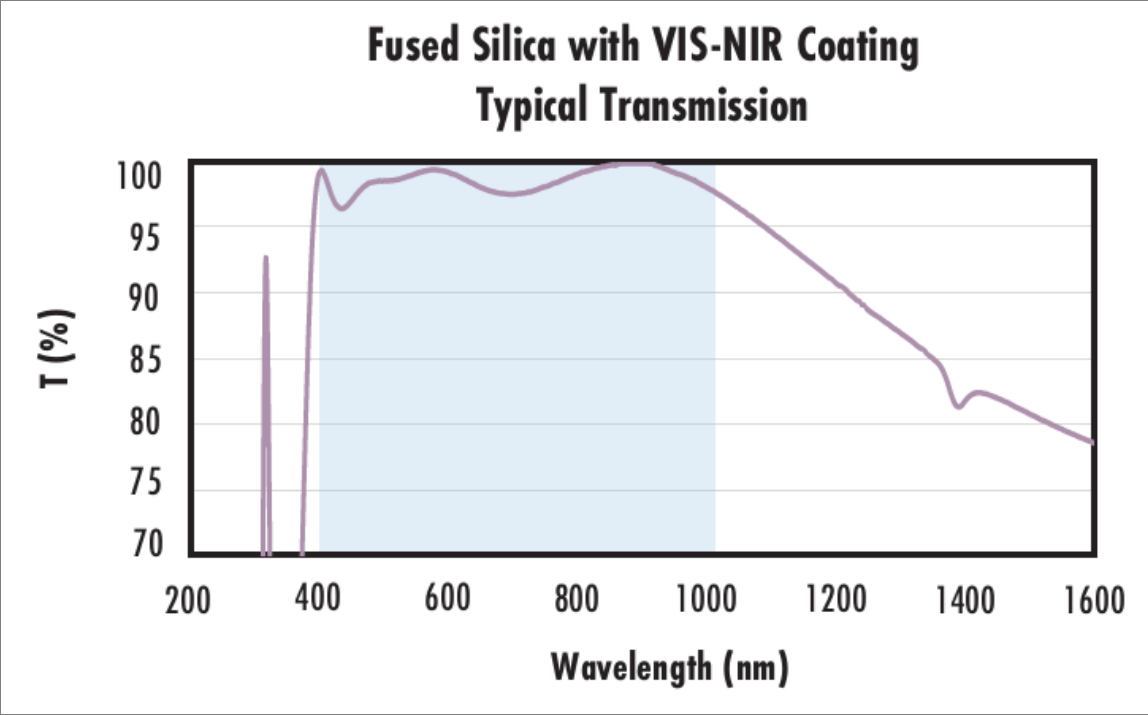
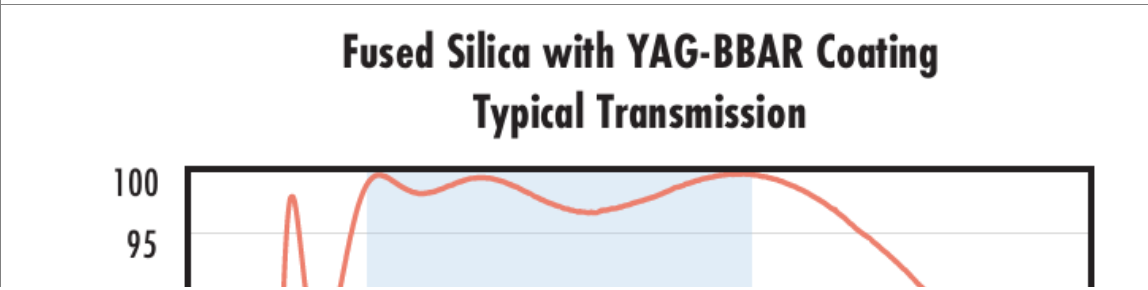
Les Lentilles Biconcaves en Silice Fondue UV (DCV) TECHSPEC® sont fabriquées à l'aide d'un équipement CNC à la pointe de la technologie. La précision de la surface et la performance de ces optiques est garantie grâce à l'interféromètre GPI-XP de Zygo. Les lentilles de qualité UV sont fabriquées avec précision en utilisant de la silice fondue synthétique de qualité recherche. En plus d'offrir une excellente transmission et de fonctionner à hautes températures, les Lentilles Biconcaves en Silice Fondue UV (DCV) TECHSPEC® bénéficient également d'une inclusion et d'une pureté chimique exceptionnelles. Ces lentilles sont idéales pour de nombreuses applications lasers et d'imagerie, particulièrement celles utilisant des longueurs d'ondes dans l'UV. Un traitement antireflets à large bande est disponible, optimisant la transmission dans le spectre UV.

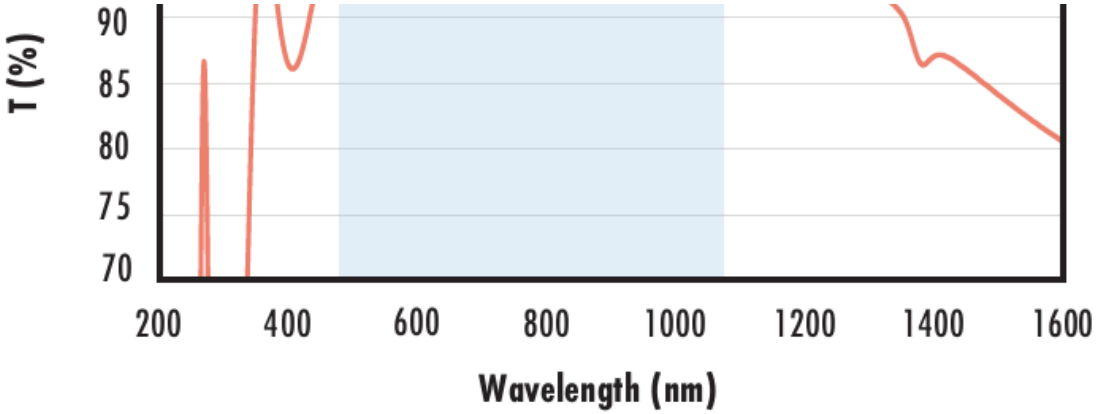
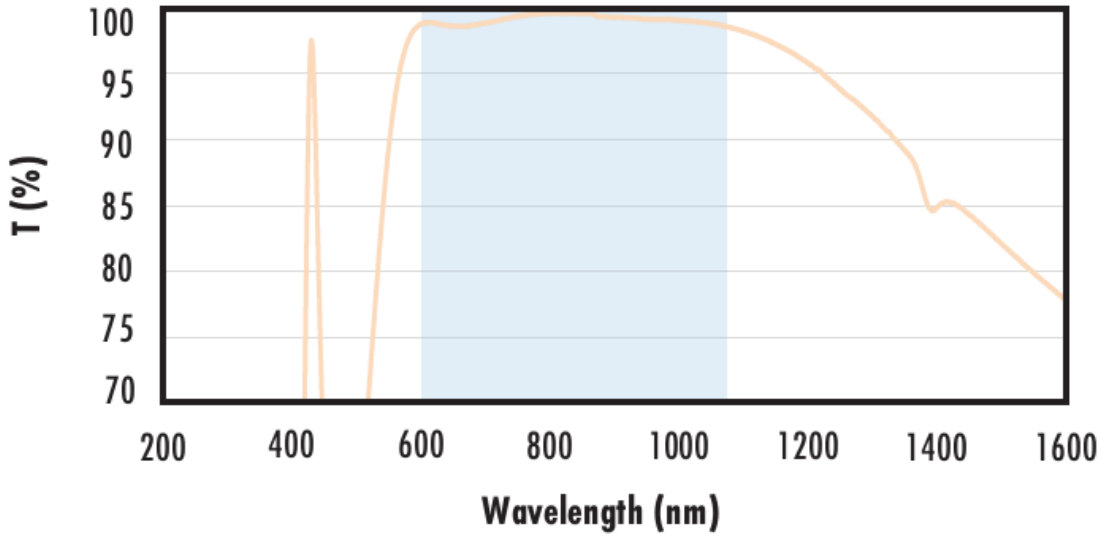
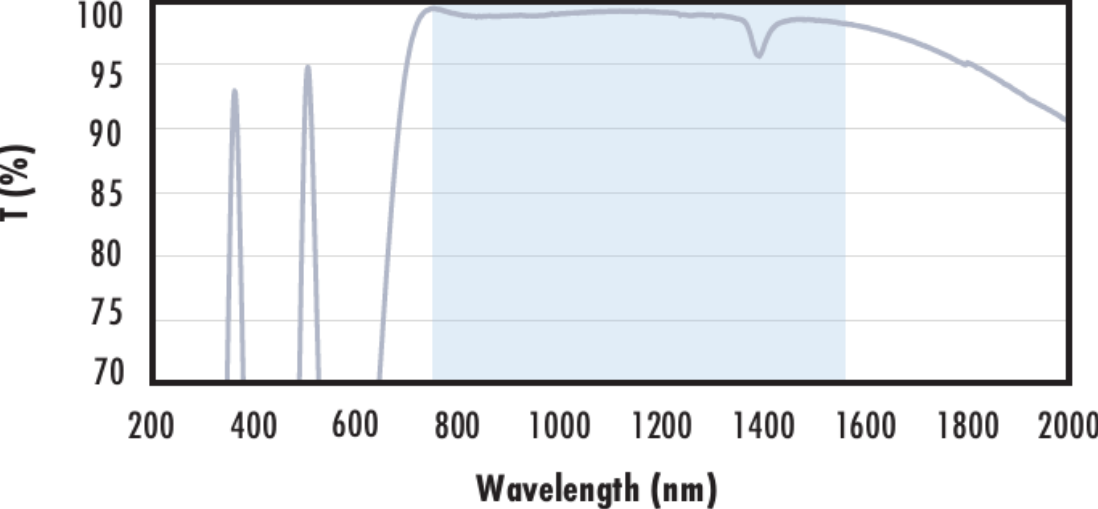
Informations techniques





FUSED SILICA																									
Uncoated Fused Silica Typical Transmission <table><caption>Uncoated Fused Silica Typical Transmission Data (Approximate)</caption><thead><tr><th>Wavelength (nm)</th><th>Transmission T (%)</th></tr></thead><tbody><tr><td>200</td><td>92</td></tr><tr><td>400</td><td>94</td></tr><tr><td>600</td><td>94</td></tr><tr><td>800</td><td>94</td></tr><tr><td>1000</td><td>94</td></tr><tr><td>1200</td><td>94</td></tr><tr><td>1400</td><td>92</td></tr><tr><td>1600</td><td>94</td></tr><tr><td>1800</td><td>94</td></tr><tr><td>2000</td><td>94</td></tr><tr><td>2200</td><td>90</td></tr></tbody></table>	Wavelength (nm)	Transmission T (%)	200	92	400	94	600	94	800	94	1000	94	1200	94	1400	92	1600	94	1800	94	2000	94	2200	90	Typical transmission of a 3mm thick, uncoated fused silica window across the UV - NIR spectra. Click Here to Download Data
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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
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 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 	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

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