

TECHSPEC® 12mm D. x -45mm BW, UV-AR Beschichtung, UV DCV Linse



UV Fused Silica Plano-Concave (PCV) Lenses



Produkt **#48-061** **4 In Stock**

☐ [Andere Beschichtungen](#)

-

1

+

€160^{.00}

+ WARENKORB

Mengenrabatte	
Stk. 1-5	€160,00 stückpreis
Stk. 6-25	€128,00 stückpreis
Stk. 26-49	€121,00 stückpreis
Need More?	Angebotsanfrage

 Preise exklusiv der geltenden Mehrwertsteuer und Abgaben

Downloadbereich

Produktdetails

Typ:

Double-Concave Lens

Hinweis:

Max. Flat Annulus is 0.3mm

Physikalische und mechanische Eigenschaften	
12.00 +0.0/-0.025	Durchmesser (mm):
2.00	Mittendicke CT (mm):
±0.05	Toleranz Mittendicke (mm):
<1	Zentrierung (Bogenminuten):
11.0	Freie Apertur CA (mm):
2.79	Randdicke ET (mm):

Optische Eigenschaften	
-45.00	Effektive Brennweite EFL (mm):
Fused Silica (Corning 7980)	Substrat: ☐
3.75	Blende:
0.13	Numerische Apertur NA:
UV-AR (250-425nm)	Beschichtung:
250 - 425	Wellenlängenbereich (nm):
-45.68	Hintere Brennweite BFL (mm):
R _{abs} ≤1.0% @ 250 - 425nm R _{avg} ≤0.75% @ 250 - 425nm R _{avg} ≤0.5% @ 370 - 420nm	Beschichtungsspezifikation:
587.6	Designwellenlänge Brennweite (nm):
±2	Toleranz Brennweite (%):
-41.57	Radius R ₁ =R ₂ (mm):
40-20	Oberflächenqualität:
3 J/cm² @ 355nm, 10ns	Zerstörschwelle, Referenz: ☐
1.5λ	Power (P-V) @ 632,8 nm:
λ/4	Unregelmäßigkeit (P-V) @ 632,8 nm:

Konformität mit Standards	
Konform	RoHS 2015:
Anzeigen	Konformitätszertifikat:
Konform	Reach 235:

Produktdetails

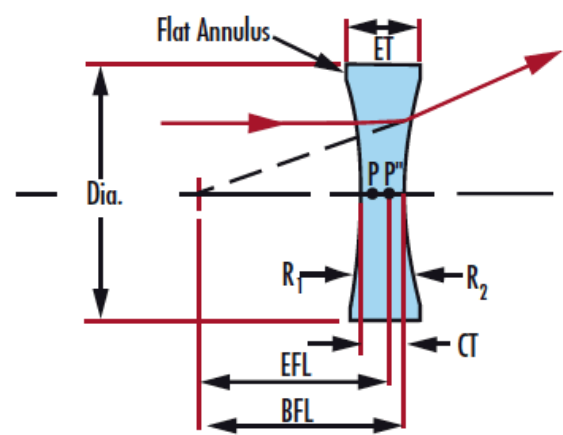
- Negative Brennweite für Strahlaufweitung oder Lichtprojektion
- Wellenlängenbereich von 200 - 2200 nm
- Mit UV-AR-Beschichtung erhältlich

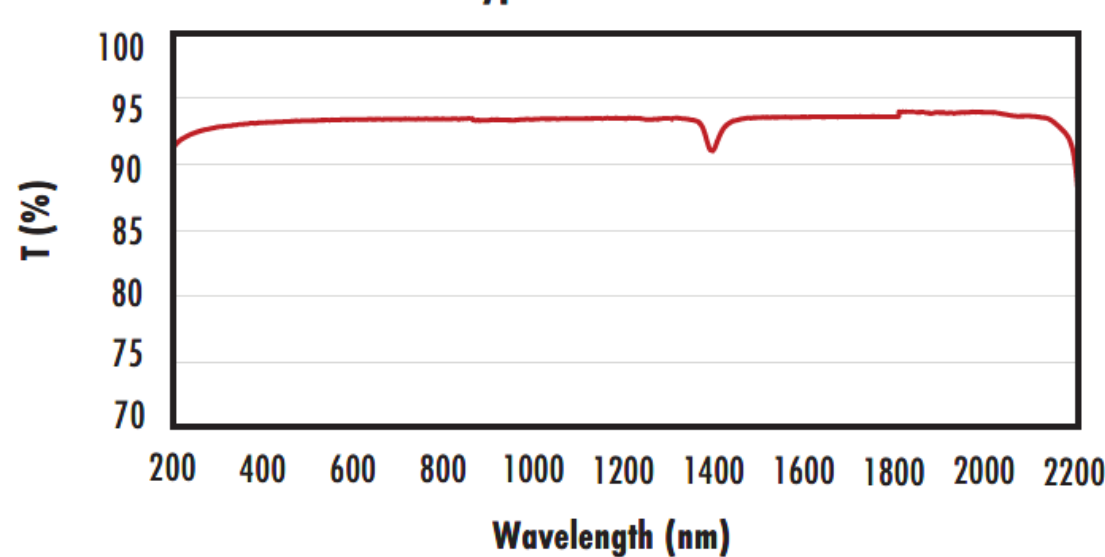
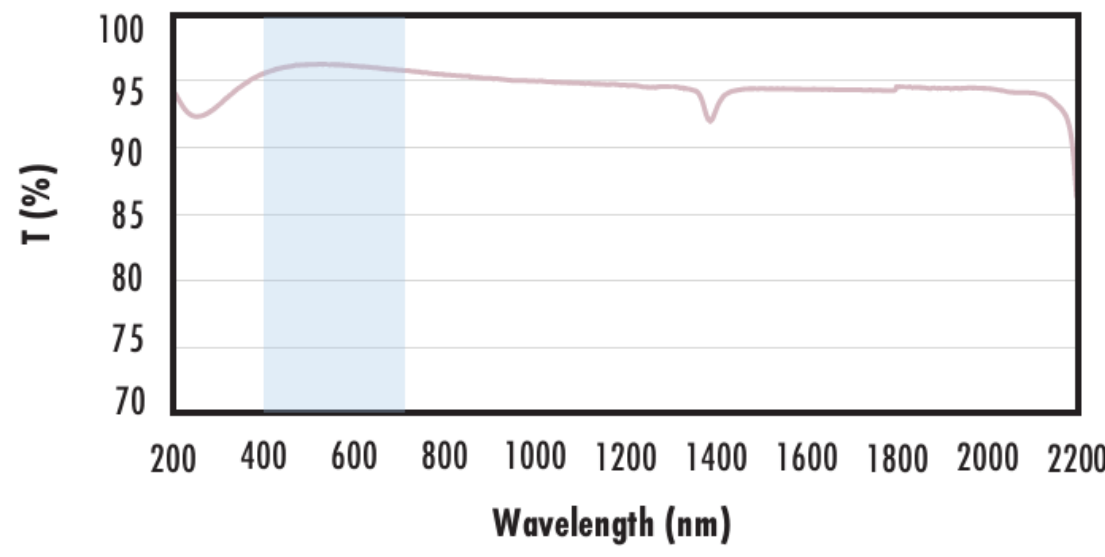
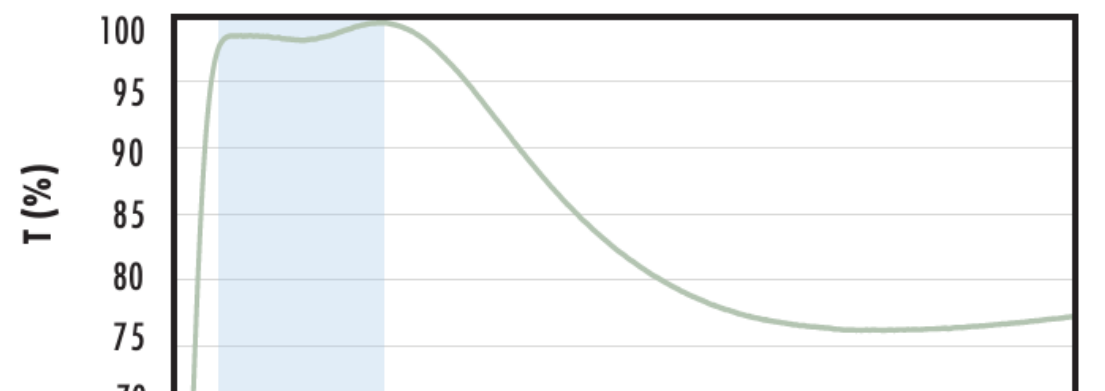
Diese hochqualitativen optischen Elemente werden mit CNC-Maschinen nach dem neuesten Stand der Technik gefertigt. Die UV-Linsen werden aus synthetischem Quarzglas hergestellt. Zusätzlich zur exzellenten Transmission und hohen Temperaturbeständigkeit, bieten die Linsen eine besonders hohe chemische Reinheit. Diese Linsen sind die ideale Wahl für viele Laseranwendungen und bildgebende Anwendungen, besonders im UV-Bereich. Die breitbandige Antireflexbeschichtung ermöglicht eine höhere Transmission im UV-Bereich.

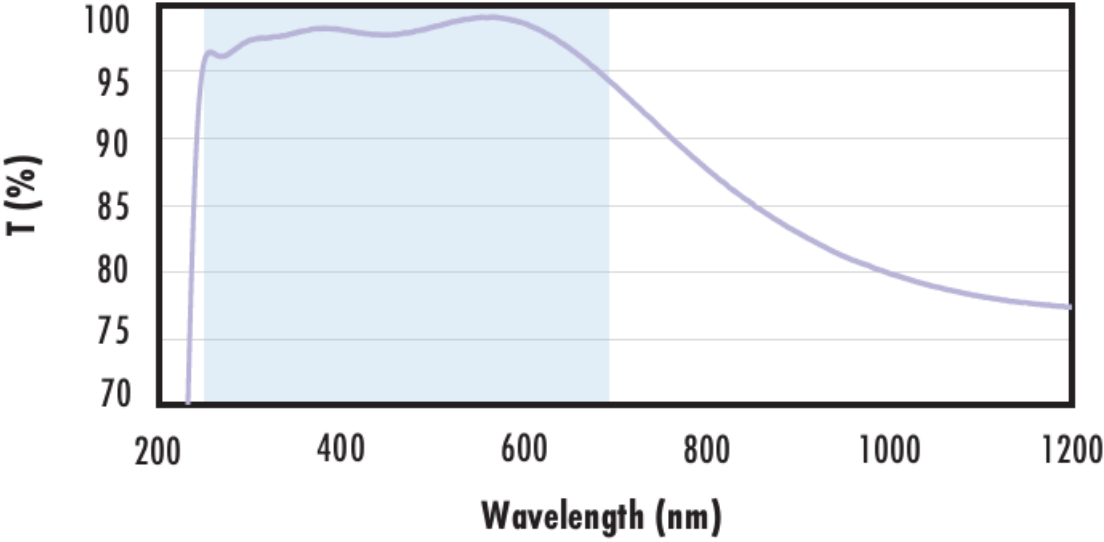
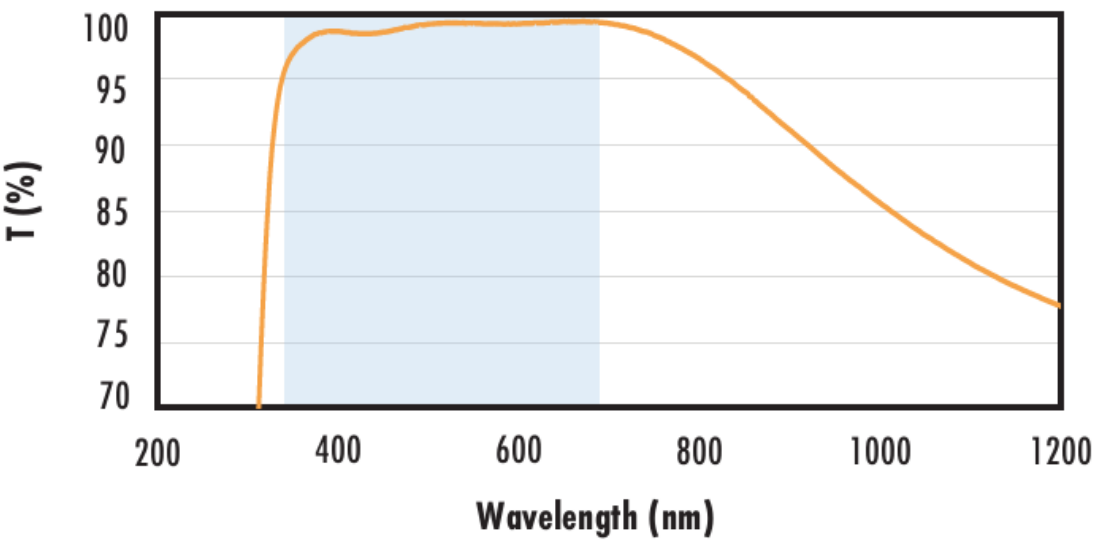
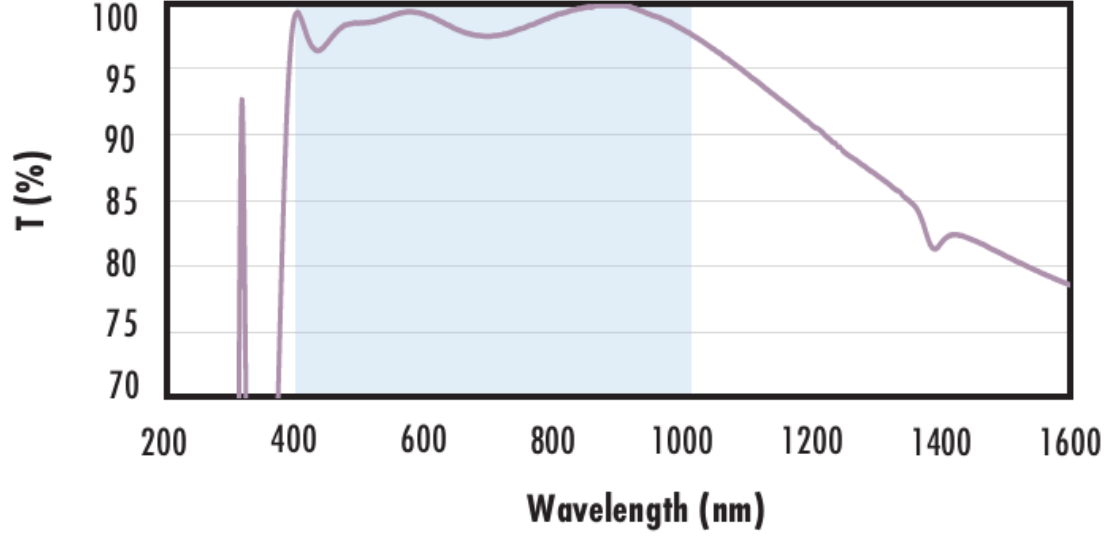
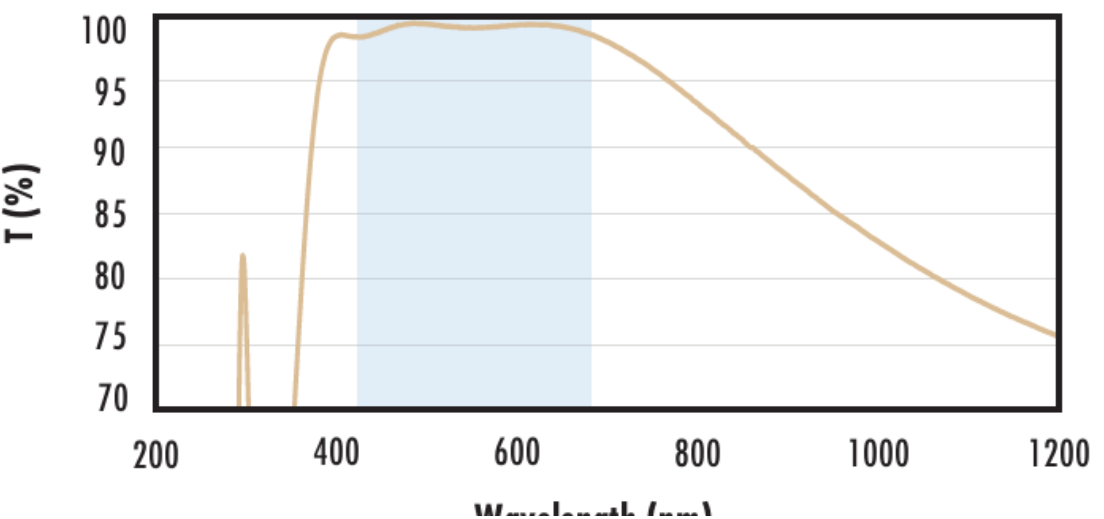
Technische Informationen



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

	
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

