

TECHSPEC®

Plankonvexe (PCX) Zylinderlinse für Laseranwendungen, 25,4 x 25,4 mm x 75 mm BW, UV-VIS



TECHSPEC Beam Shaping Fused Silica Cylinder Lenses

Produkt **#36-109** **6 In Stock**

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1

+

€170^{,00}

+ WARENKORB

Mengenrabatte	
Stk. 1-5	€170,00 stückpreis
Stk. 6-25	€153,00 stückpreis
Stk. 26-49	€147,00 stückpreis
Need More?	Angebotsanfrage

⚠ Preise exklusiv der geltenden Mehrwertsteuer und Abgaben

Downloadbereich

Produktdetails

Cylinder Lens, Plano-Convex

Typ:

Physikalische und mechanische Eigenschaften

Protective as needed	Fase:
4.00	Mittendicke CT (mm):
±0.1	Toleranz Mittendicke (mm):
22.86 x22.86	Freie Apertur CA (mm):
+0.0/-0.025	Toleranz Größe (mm):
25.4 x25.4	Größe (mm):
1.57	Randdicke ET (mm):
<3	Achsenverdrehung (arcmin):

Optische Eigenschaften

75.00	Effektive Brennweite EFL (mm):
Fused Silica (Corning 7980)	Substrat: ☐
3.00	Blende:
0.13	Numerische Apertur NA:
UV-VIS (250-700nm)	Beschichtung:
350 - 700	Wellenlängenbereich (nm):
72.26	Hintere Brennweite BFL (mm):
R _{abs} ≤1.0% @ 350 - 450nm R _{avg} ≤1.5% @ 250 - 700nm	Beschichtungsspezifikation:
34.38	Radius R ₁ (mm):
20-10	Oberflächenqualität:
1.5λ	Power (P-V) @ 632,8 nm:
λ/4	Unregelmäßigkeit (P-V) @ 632,8 nm:
<3	Keilwinkel plane Achse (arcmin):
<3	Keilwinkel gekrümmte Achse (arcmin):

Konformität mit Standards

Konform	RoHS 2015:
Anzeigen	Konformitätszertifikat:
Konform	Reach 235:

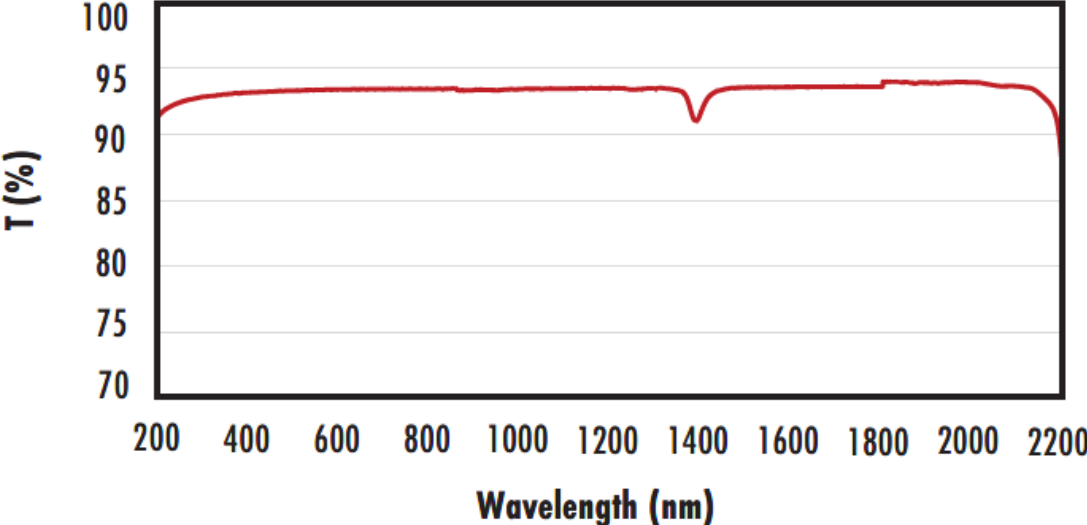
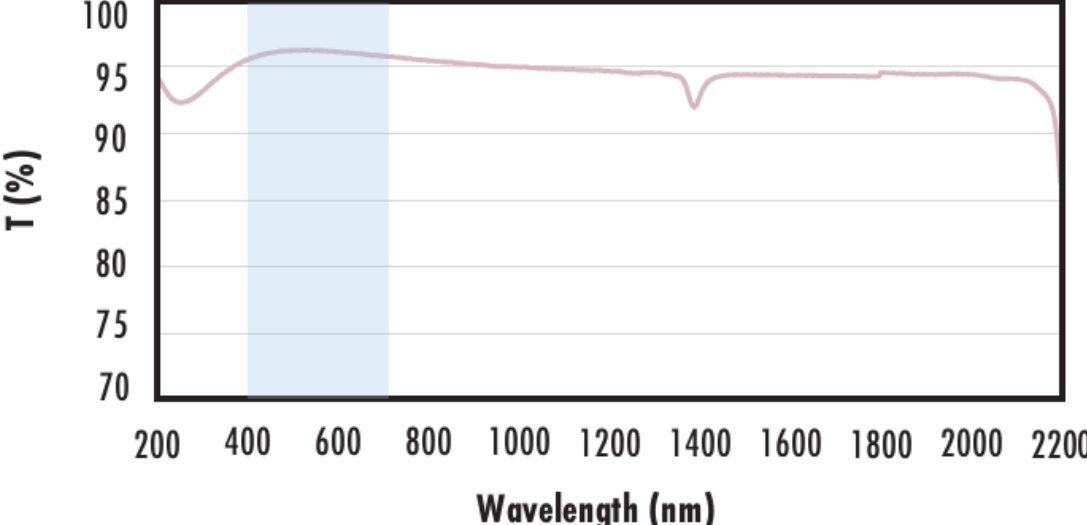
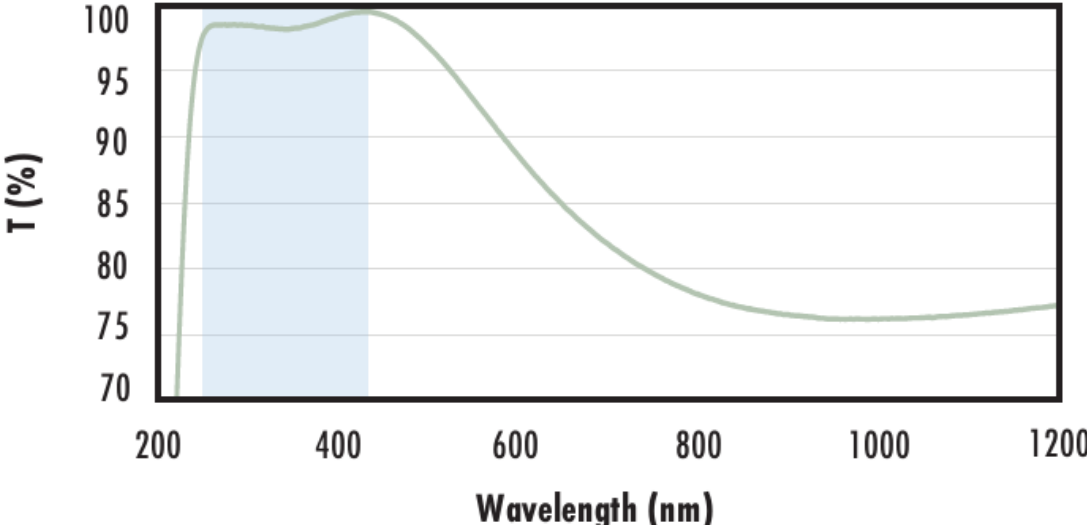
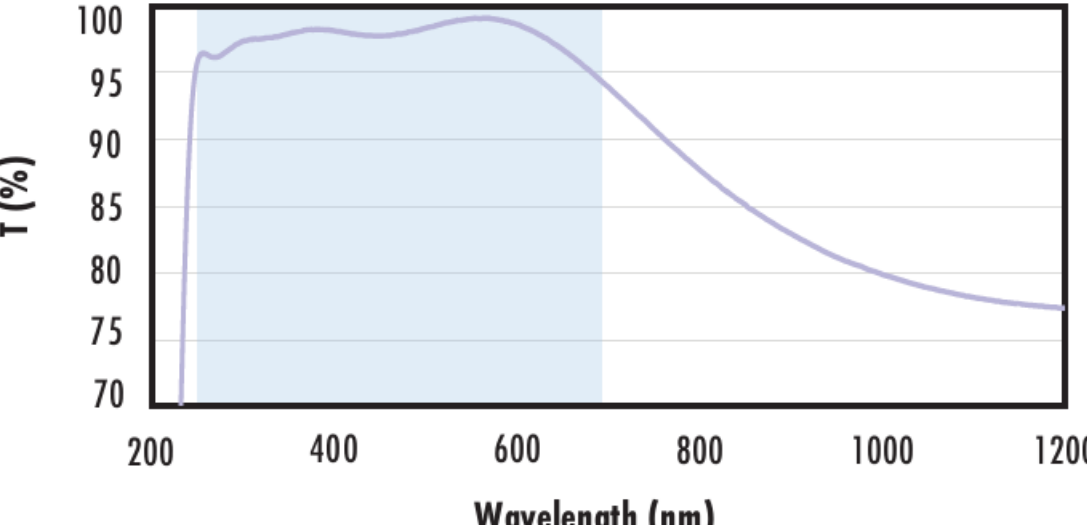
Produktdetails

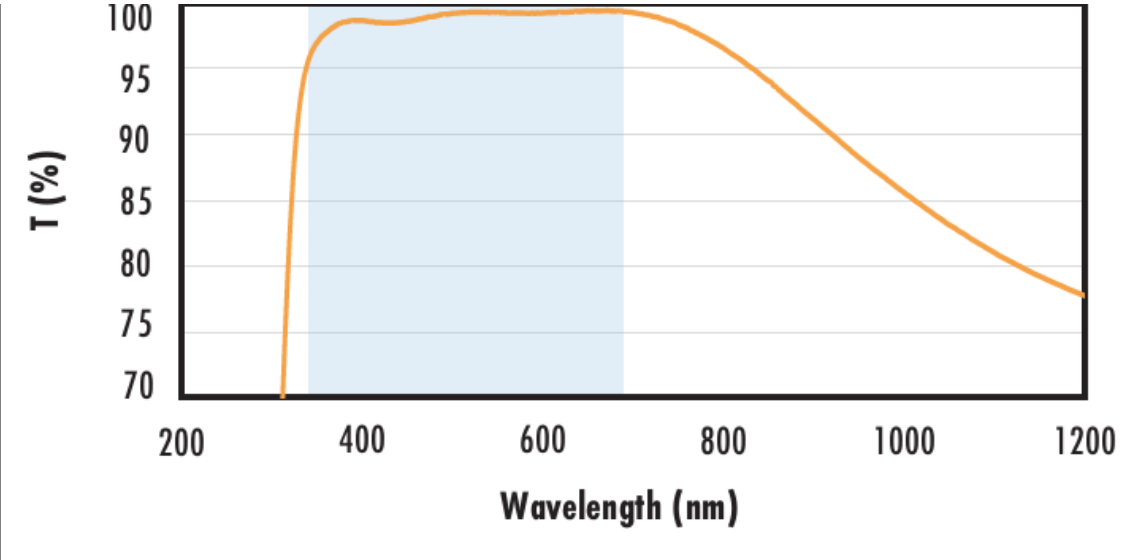
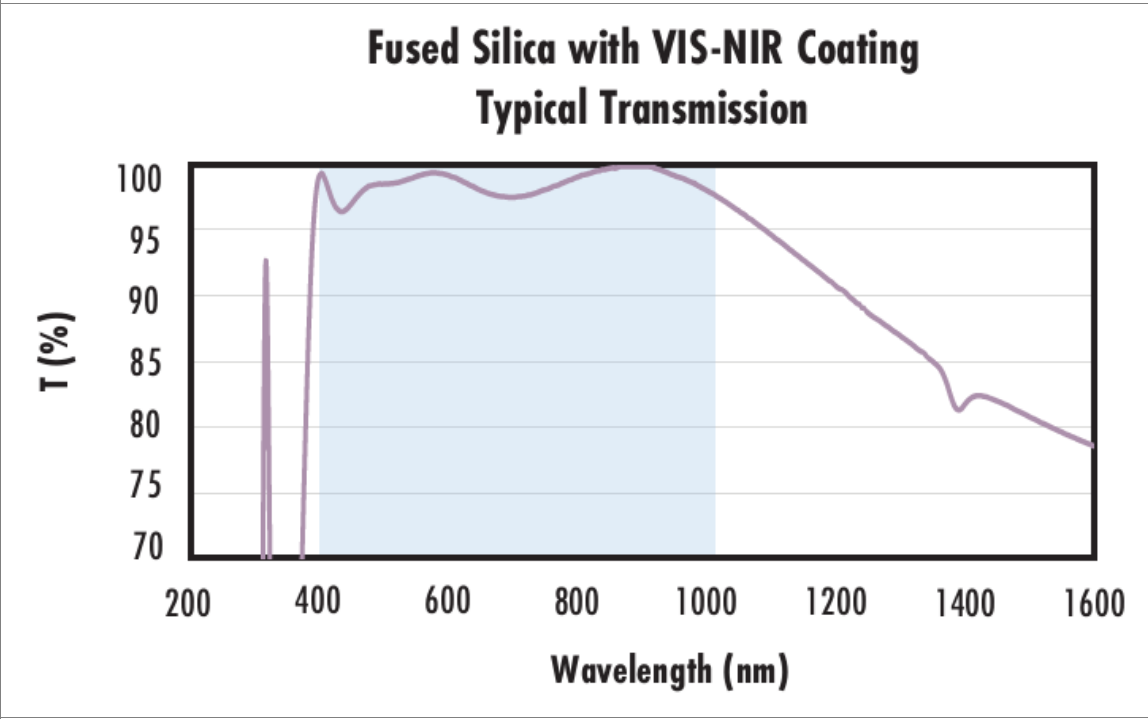
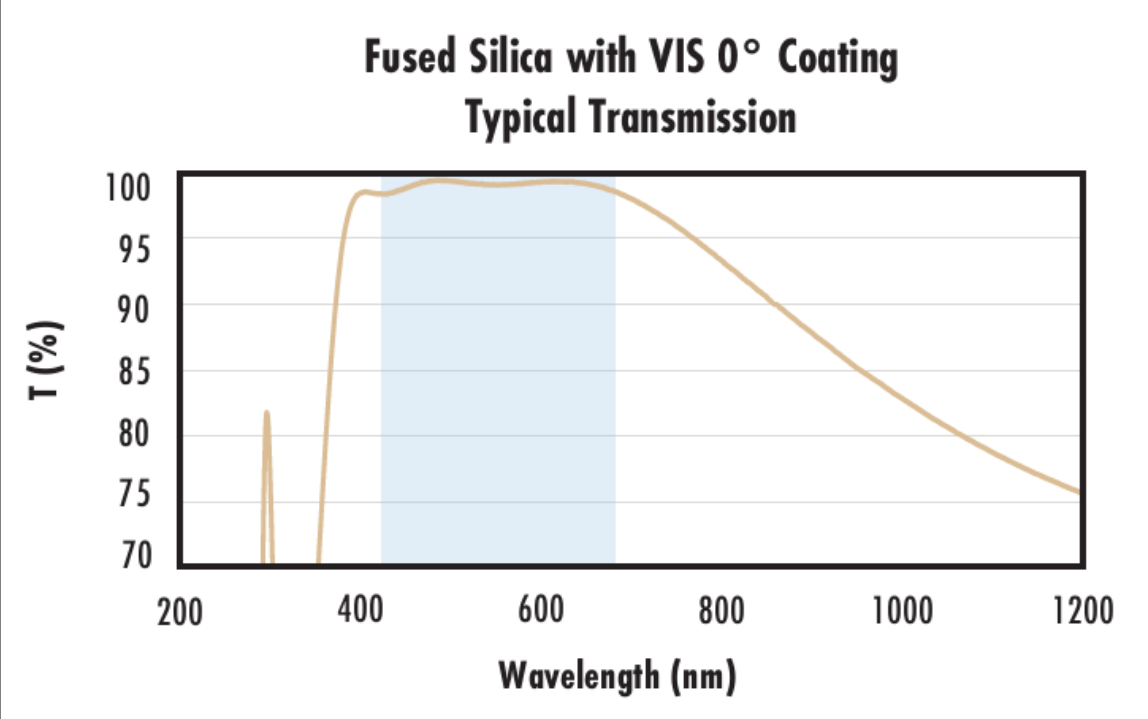
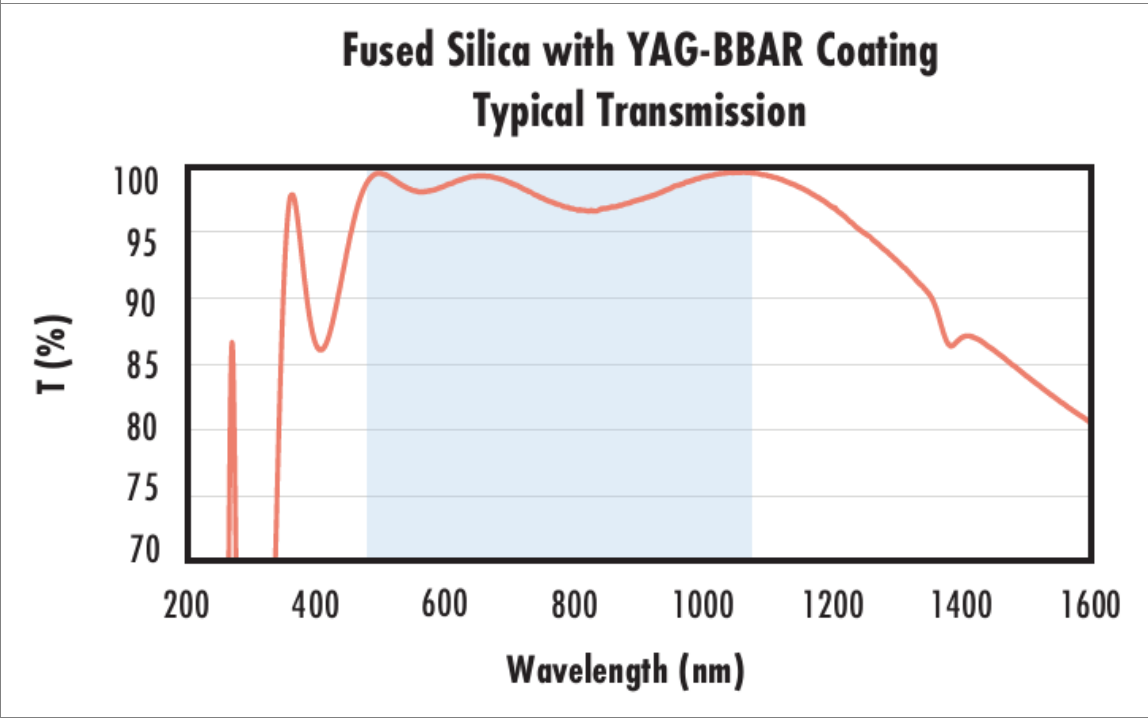
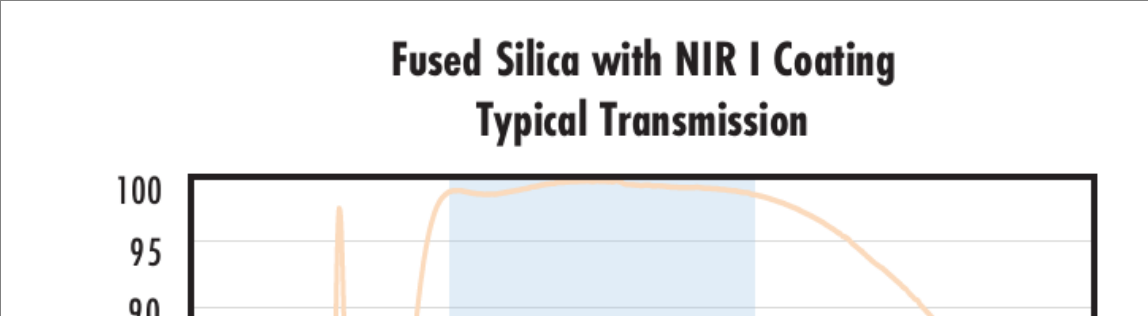
- Sehr gute Eigenschaften vom UV- bis zum IR-Spektrum
- Quarzglassubstrat
- Optische Oberflächenqualität für Laser geeignet

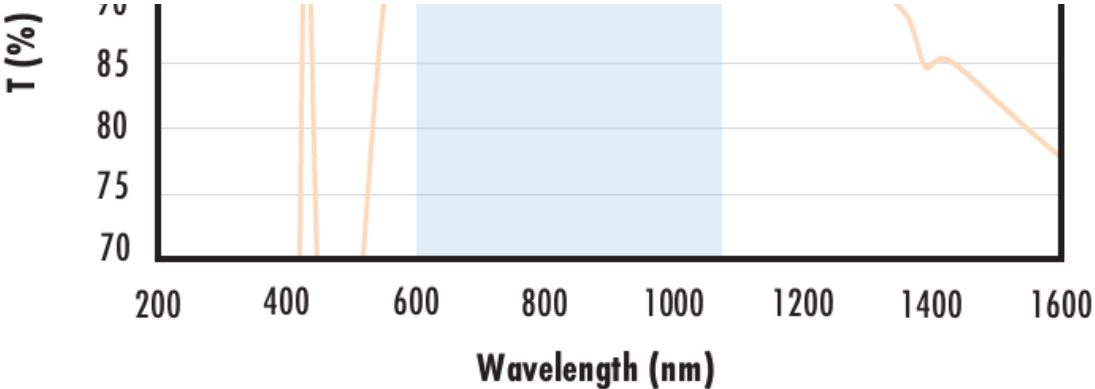
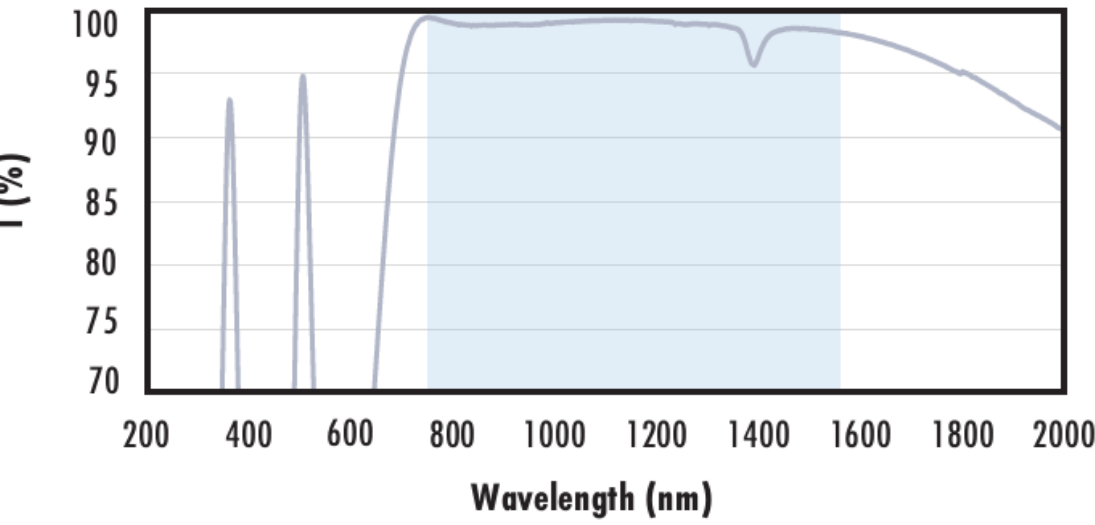
TECHSPEC® Breitbandige Zylinderlinsen für Laseranwendungen zeichnen sich durch präzise Spezifikationen für die anspruchsvollsten Anwendungen aus. Diese Linsen bestehen aus hochwertigem optischem Quarzglas und sind mit einer Oberflächenqualität von 20-10 bestens für Laseranwendungen geeignet. Vorteil unserer TECHSPEC® breitbandigen Zylinderlinsen sind die engen Keilwinkeltoleranzen, die typischerweise bei allen Maßen unter 3 Bogenminuten liegen. Die Integration und Montage dieser Linsen wird durch die quadratische Form erleichtert.

Technische Informationen



Uncoated Fused Silica Typical Transmission 	Typical transmission of an 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 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 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 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 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 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 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 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 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 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

Kundenspezifische Produkte

Edmund Optics bietet einen umfangreichen kundenspezifischen Fertigungsservice für Optik- und Bildverarbeitungskomponenten an, speziell hergestellt für Ihre Anwendungsanforderungen. Wir ermöglichen flexible Lösungen für Ihre Bedürfnisse – von der Prototypenphase bis zur Serienfertigung. Unsere erfahrenen IngenieurInnen freuen sich auf die Zusammenarbeit und unterstützen Sie bei jedem Projektschritt.

Unser Service beinhaltet:

- Kundenspezifische Abmessungen, Materialien und mehr
- Hochpräzise Oberflächenqualität und -ebenheit
- Enge Toleranzen und komplexe Formen
- Skalierbare Produktion – vom Prototypen zur Serie

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