Alle 31 Produkte der Produktfamilie

TECHSPEC®

Plankonvexe (PCX) Zylinderlinse für Laseranwendungen, 12,7 x 12,7 mm x 50 mm BW, NIR I

TECHSPEC Beam Shaping Fused Silica Cylinder Lenses

Produkt **#36-116** KONTAKT

- 1 + **€150**,00

+ WARENKORB

Mengenrabatte	
Stk. 1-5	**€150,00** stückpreis
Stk. 6-25	**€135,00** stückpreis
Stk. 26-49	**€128,00** stückpreis
Need More?	Angebotsanfrage

Preise exklusiv der geltenden Mehrwertsteuer und Abgaben

Downloadbereich

Produktdetails

Typ:

Cylinder Lens, Plano-Convex

Physikalische und mechanische Eigenschaften

Fase:
Protective as needed

Mittendicke CT (mm):
3.00

Toleranz Mittendicke (mm):
±0.1

Freie Apertur CA (mm):
11.43 x 11.43

Toleranz Größe (mm):
+0.0/-0.025

Größe (mm):
12.7 x 12.7

Randdicke ET (mm):
2.1

Achsenverdrehung (arcmin):
<3

Optische Eigenschaften

Effektive Brennweite EFL (mm):
50.00

Substrat:
Fused Silica (Corning 7980)

Blende:
4.00

Numerische Apertur NA:
0.12

Beschichtung:
NIR I (600-1050nm)

Wellenlängenbereich (nm):
600 - 1050

Hintere Brennweite BFL (mm):
47.95

Beschichtungsspezifikation:
R_{avg} ≤0.5% @ 600 - 1050nm

Radius R_1 (mm):
22.93

Oberflächenqualität:
20-10

Power (P-V) @ 632,8 nm:
1.5λ

Unregelmäßigkeit (P-V) @ 632,8 nm:
λ/4

Keilwinkel plane Achse (arcmin):
<3

Keilwinkel gekrümmte Achse (arcmin):
<4.5

Konformität mit Standards

RoHS 2015:
Konform

Konformitätszertifikat:
Anzeigen

Reach 235:
Konform

Gewünschte Spezifikationen nicht dabei?

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

Erfahren Sie mehr über unsere kundenspezifischen Fertigungsmöglichkeiten oder senden Sie hier eine Anfrage.

Produktdetails

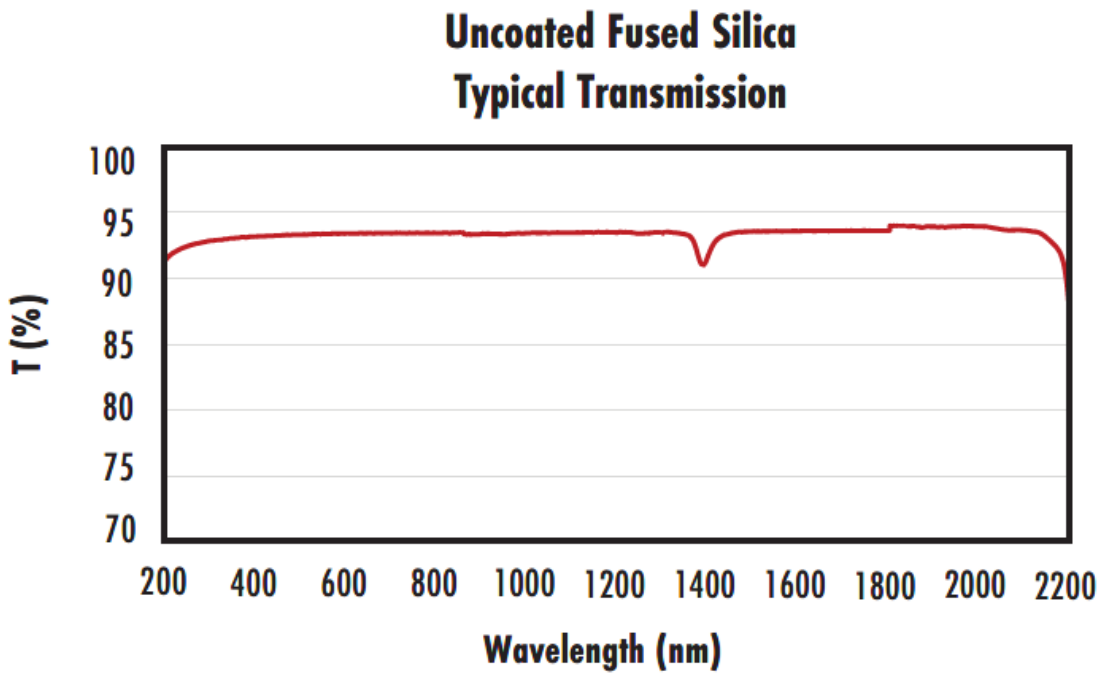
- Sehr gute Eigenschaften vom UV- bis zum IR-Spektrum
- Quarzglassubstrat
- Optische Oberflächenqualität für Laser geeignet

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

FUSED SILICA



Typical transmission of an uncoated fused silica window across the UV - NIR spectra.

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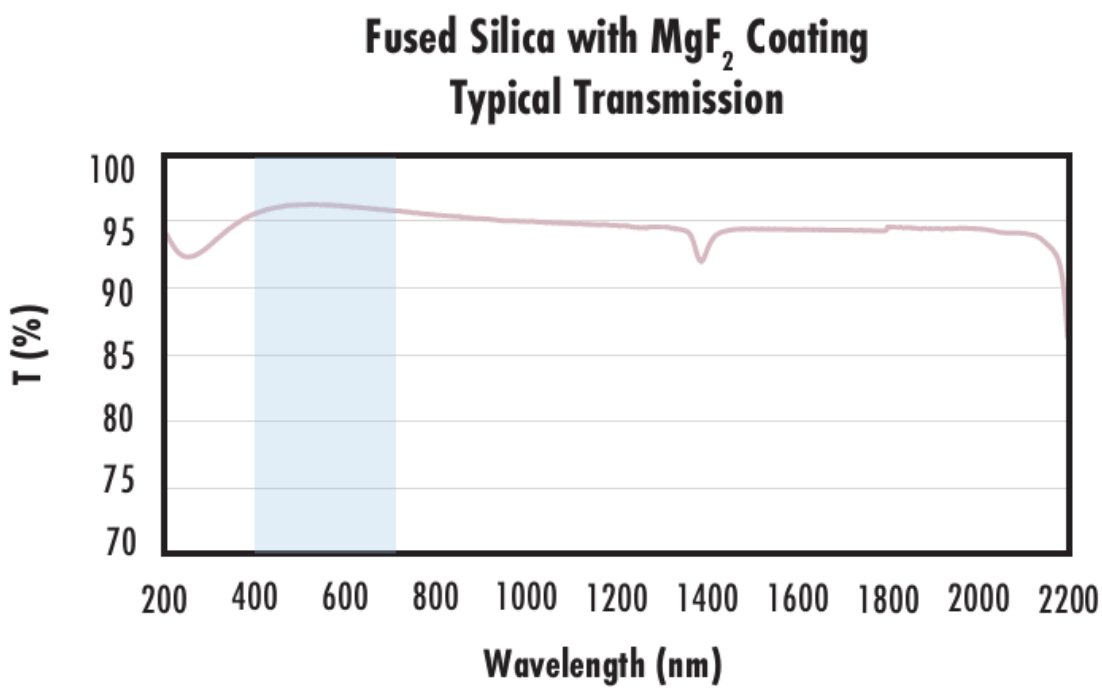

Typical transmission of a fused silica window with MgF2 (400-700nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelengh 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.

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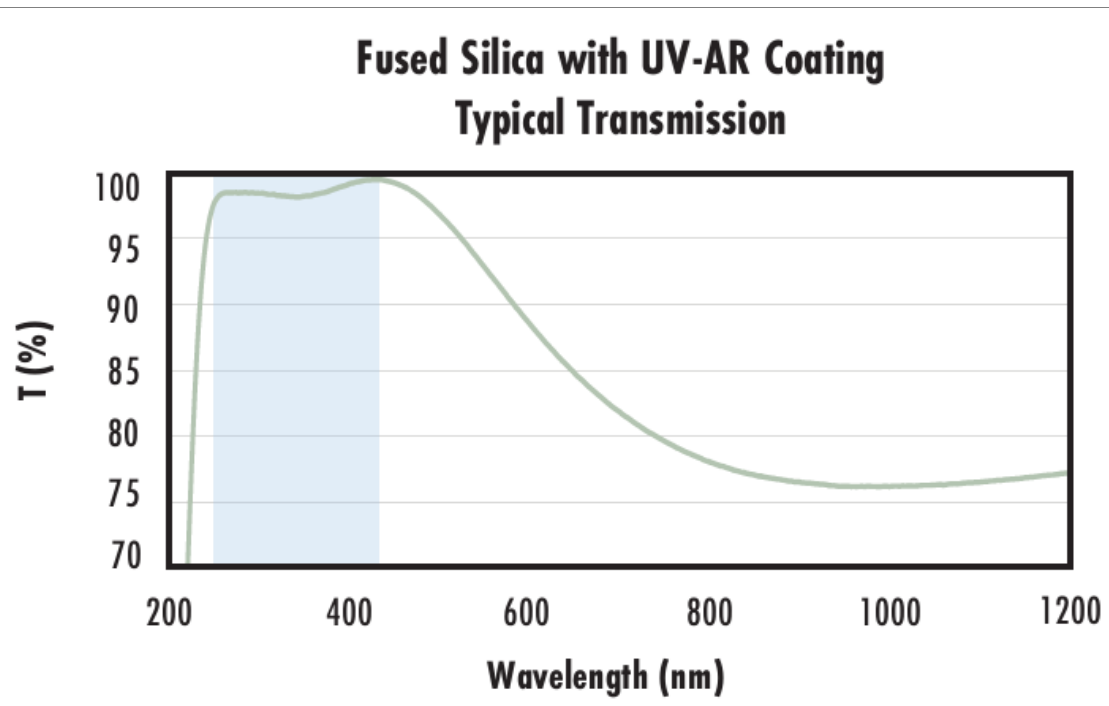

Typical transmission of a fused silica window with UV-AR (250-425nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelengh 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.

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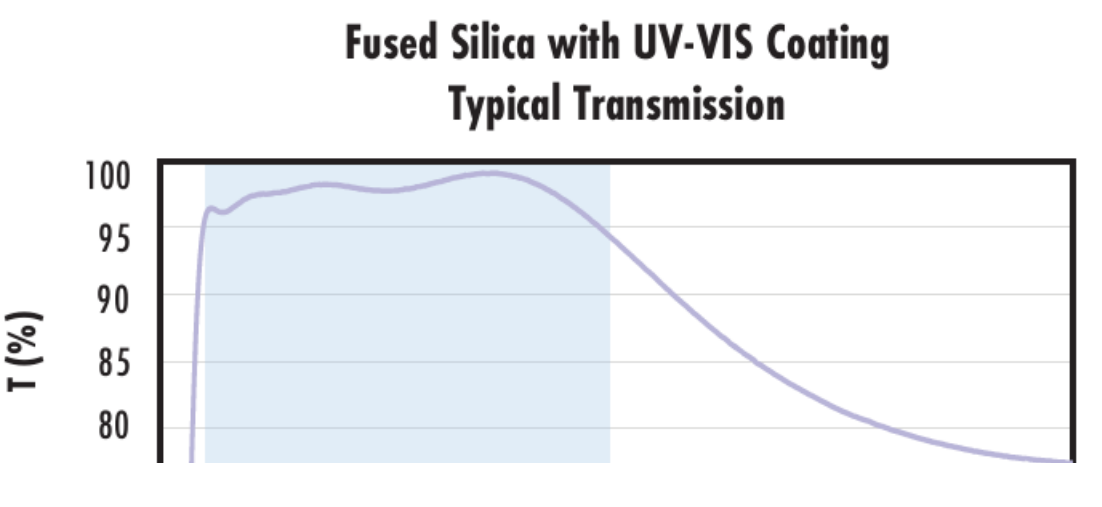
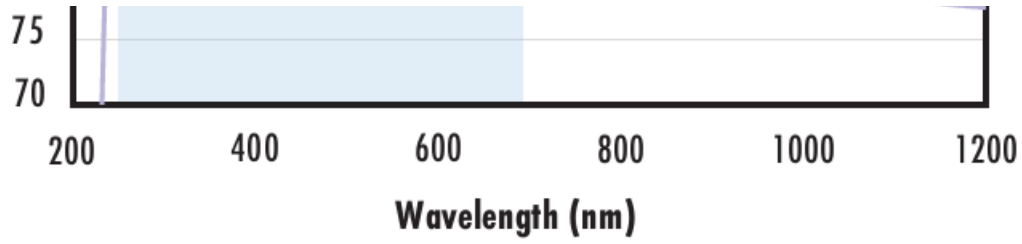


Typical transmission of a fused silica window with UV-VIS (250-700nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelengh 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.



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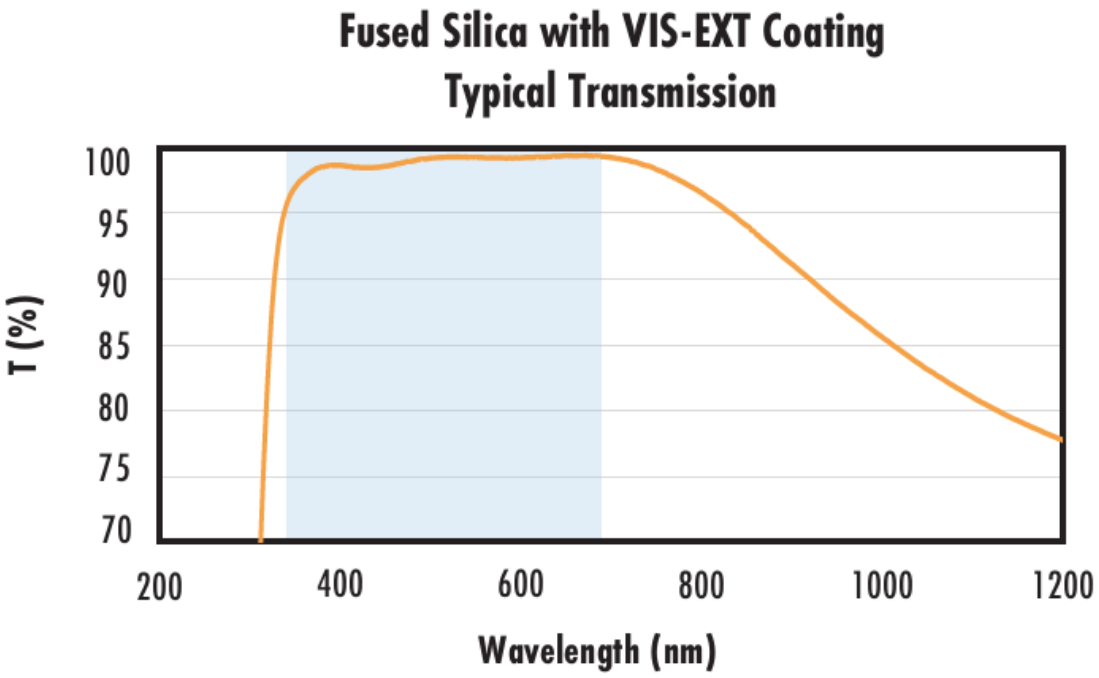

Typical transmission of a fused silica window with VIS-EXT (350-700nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelengh range, with the following specification:

$R_{avg} \leq 0.5\%$ @ 350 - 700nm

Data outside this range is not guaranteed and is for reference only.

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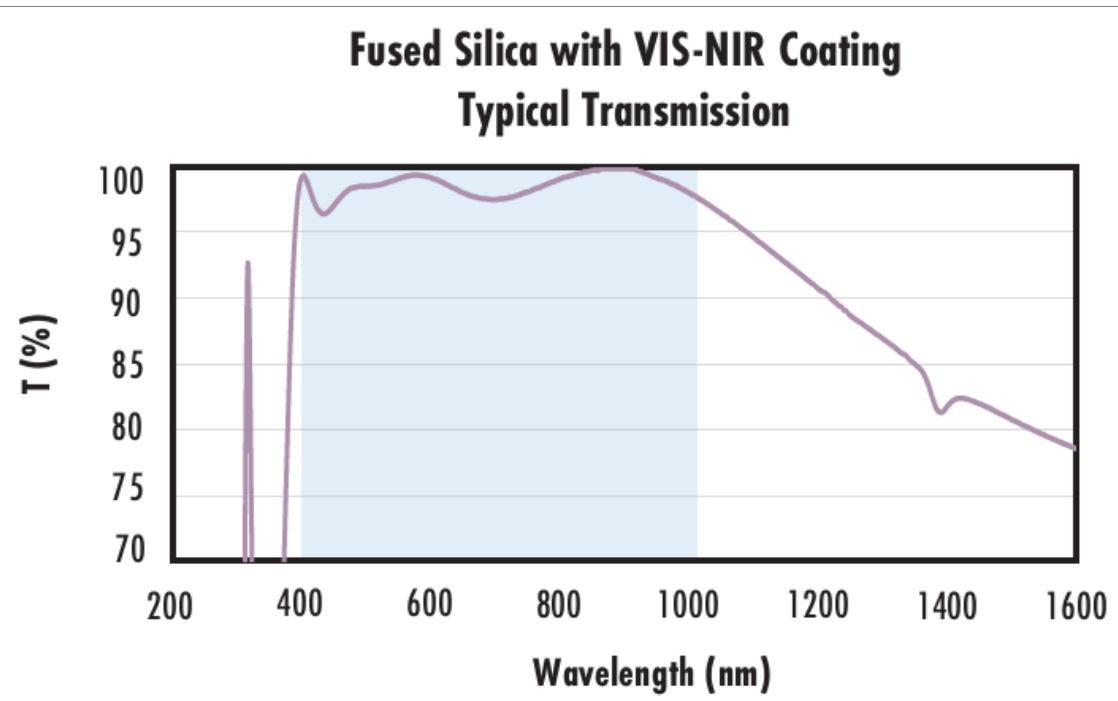

Typical transmission of a fused silica window with VIS-NIR (400-1000nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelengh 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.

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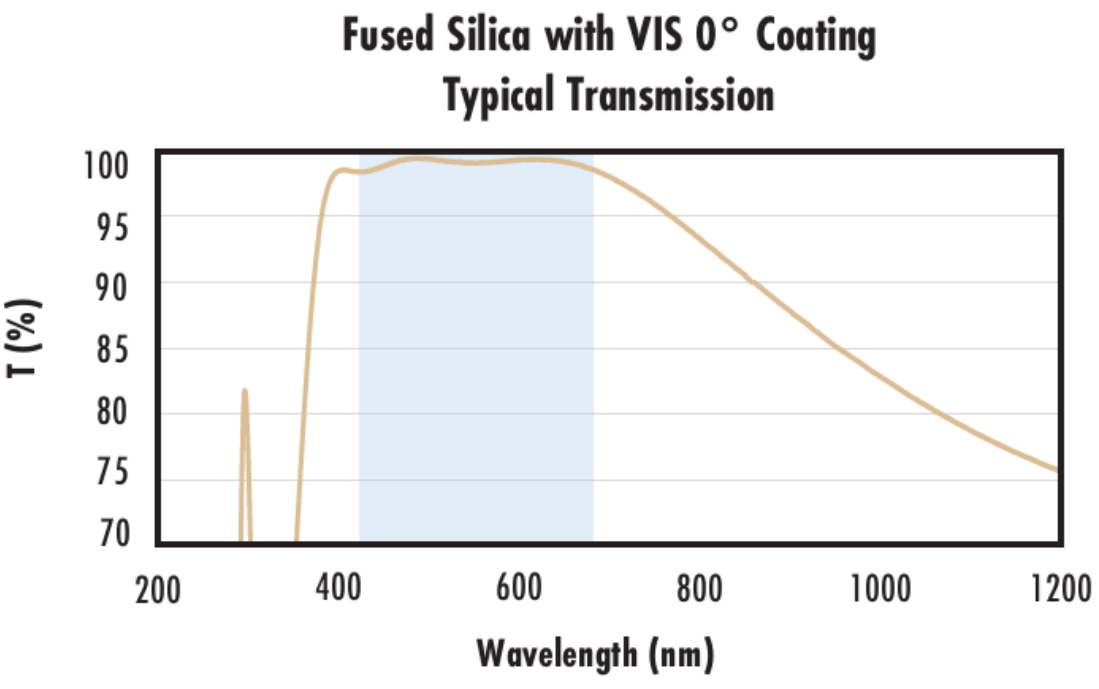

Typical transmission of a fused silica window with VIS 0° (425-675nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelengh range, with the following specification:

$R_{avg} \leq 0.4\%$ @ 425 - 675nm

Data outside this range is not guaranteed and is for reference only.

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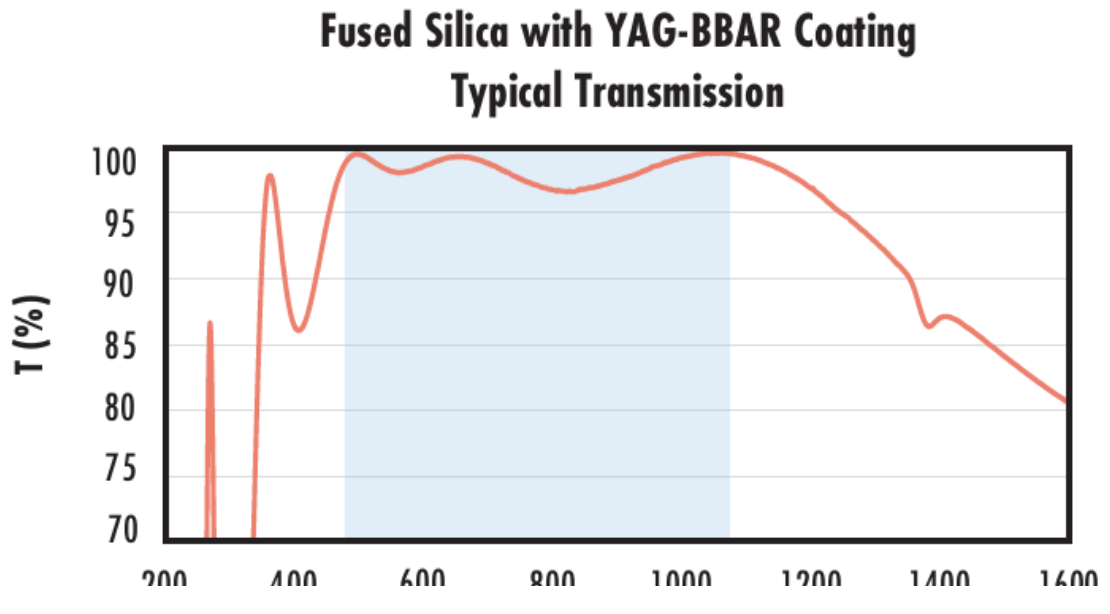

Typical transmission of a fused silica window with YAG-BBAR (500-1100nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelengh 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.

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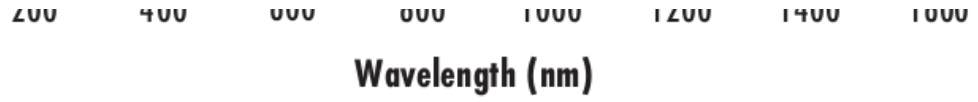

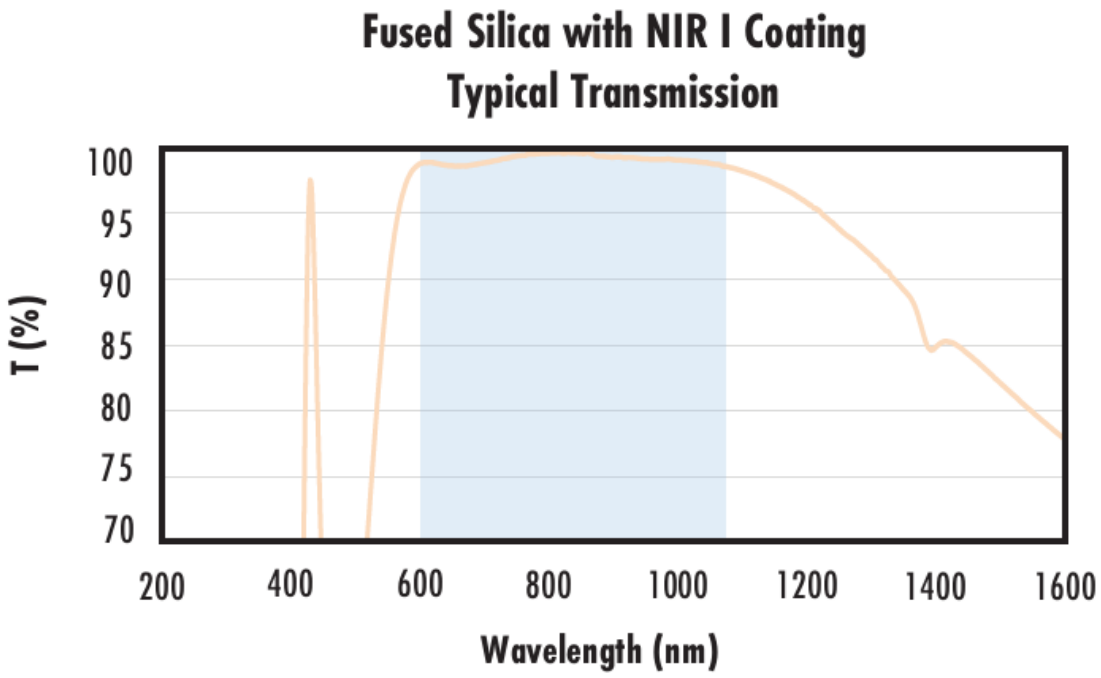

Typical transmission of a fused silica window with NIR I (600 - 1050nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelengh range, with the following specification:

$R_{avg} \leq 0.5\%$ @ 600 - 1050nm

Data outside this range is not guaranteed and is for reference only.

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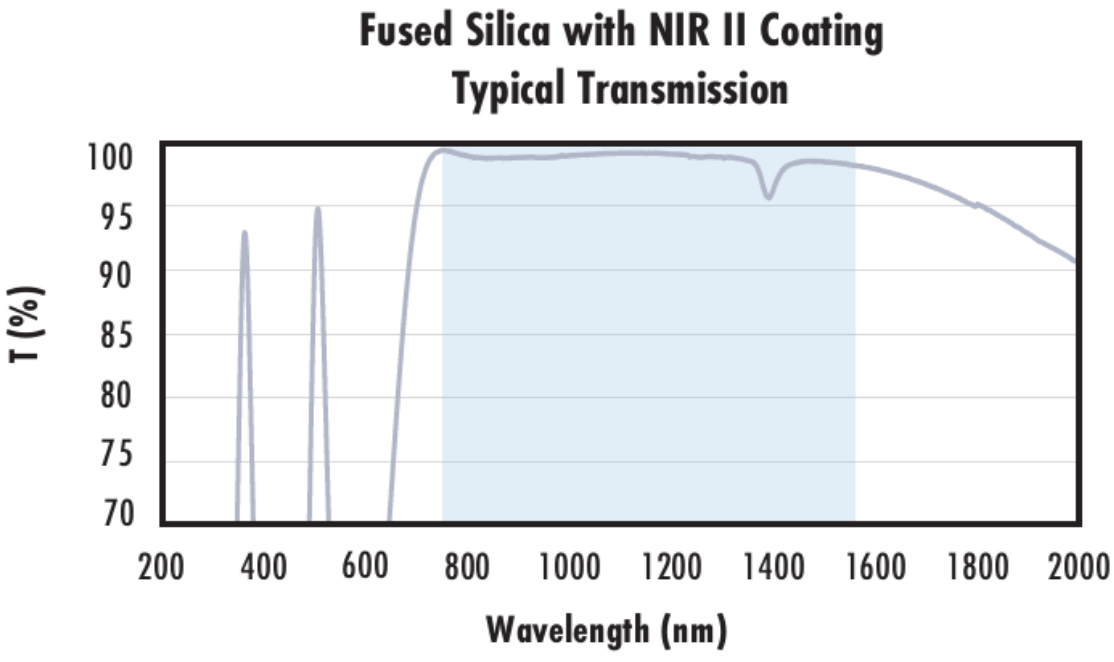

Typical transmission of a fused silica window with NIR II (750 - 1550nm) coating at 0° AOI.

The blue shaded region indicates the coating design wavelengh 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.

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