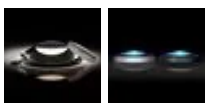
TECHSPEC®

25.4mm Dia. x 25.4mm FL, VIS 0° Coated, Plano-Convex Lens



Stock #62-569 20+ In Stock

Other Coating Options

- 1 +

C$69.65

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Volume Pricing	
Qty 1-9	C$69.65 each
Qty 10-24	C$62.65 each
Qty 25-49	C$55.65 each
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General

Type:	Plano-Convex Lens

Physical & Mechanical Properties

Diameter (mm):	25.40 +0.0/-0.025	**Centering (arcmin):**	<1
Center Thickness CT (mm):	7.00 ±0.10	**Edge Thickness ET (mm):**	2.43
Clear Aperture CA (mm):	24.4	**Bevel:**	Protective as needed

Optical Properties

Effective Focal Length EFL (mm):	25.40 @ 587.6nm	**Back Focal Length BFL (mm):**	21.48
Coating:	VIS 0° (425-675nm)	**Coating Specification:**	R_{avg} ≤0.4% @ 425 - 675nm
Substrate: ⓘ	N-SF11	**Surface Quality:**	40-20
Power (P-V) @ 632.8nm:	1.5λ	**Irregularity (P-V) @ 632.8nm:**	λ/4
Focal Length Tolerance (%):	±1	**Radius R_1 (mm):**	19.93
f/#:	1	**Numerical Aperture NA:**	0.50
Wavelength Range (nm):	425 - 675	**Damage Threshold, By Design:** ⓘ	5 J/cm^2 @ 532nm, 10ns

Regulatory Compliance

RoHS 2015:	**Compliant**	**Certificate of Conformance:**	**View**
REACH 241:	**Compliant**		

Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our **custom manufacturing capabilities** or submit an inquiry **here.**

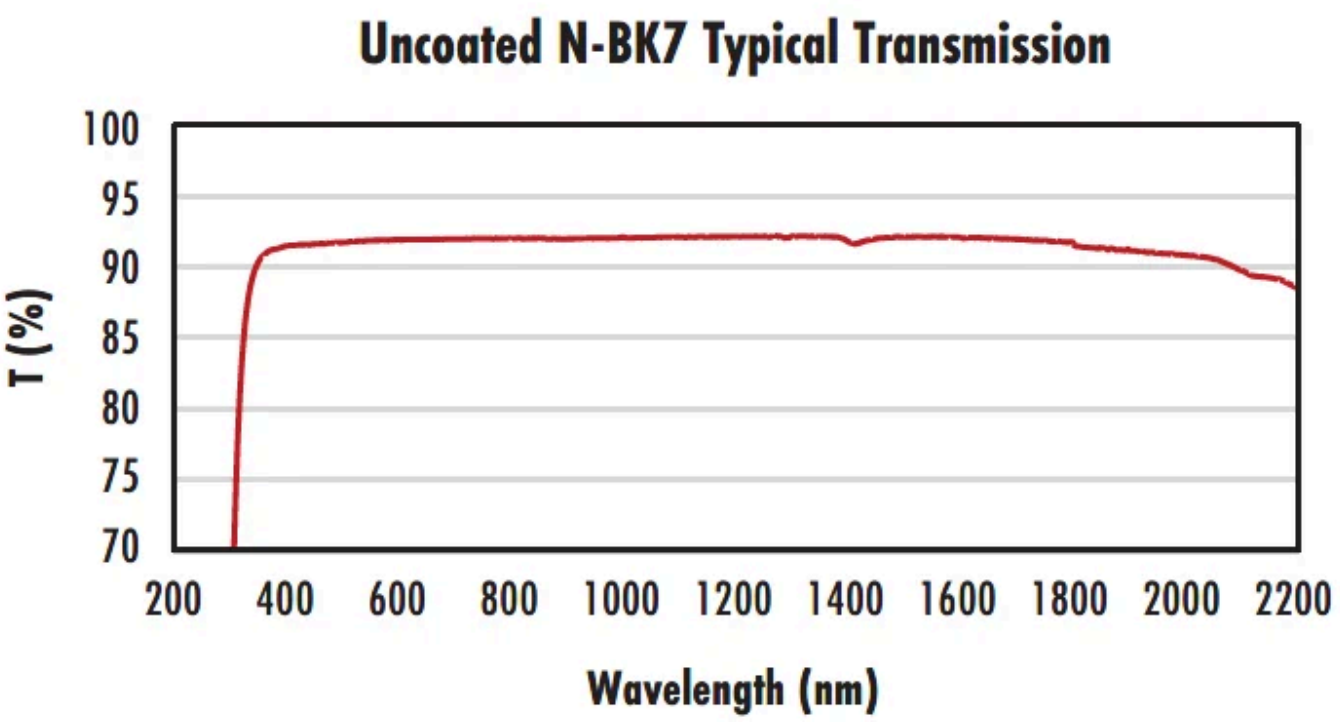
Product Details

- AR Coated to Provide <0.4% Reflectance per Surface for 425 - 675nm
- Designed for 0° Angle of Incidence
- Various PCX Coating Options: **Uncoated**, **MgF_2**, **VIS-NIR**, **NIR I**, **NIR II**, **VIS-EXT**, and **YAG-BBAR**

TECHSPEC® VIS 0° Coated Plano-Convex (PCX) Lenses have a positive focal length, making them ideal for collecting and focusing light in imaging applications. They are also useful in a variety of applications involving emitters, detectors, lasers, and fiber optics. Plano-Convex lenses are ideal for a multitude of optics and photonics applications, including biotech instruments such as DNA sequencers and polymerase chain reaction (PCR) testing platforms. TECHSPEC® VIS 0° Coated Plano-Convex (PCX) Lenses are available in a wide variety of diameters and focal lengths. Identical designs of these PCX lenses are also offered **uncoated** or with broadband anti-reflective (BBAR) coatings, which include **MgF2**, **VIS-NIR**, **NIR I**, **NIR II**, **VIS-EXT**, and **YAG-BBAR.**

These coated lenses can be utilized in a host of optics and photonics applications, including biotech instruments such as DNA sequencers and polymerase chain reaction (PCR) testing platforms.

Technical Information



Typical transmission of a 3mm thick, uncoated N-BK window across the UV - NIR spectra.

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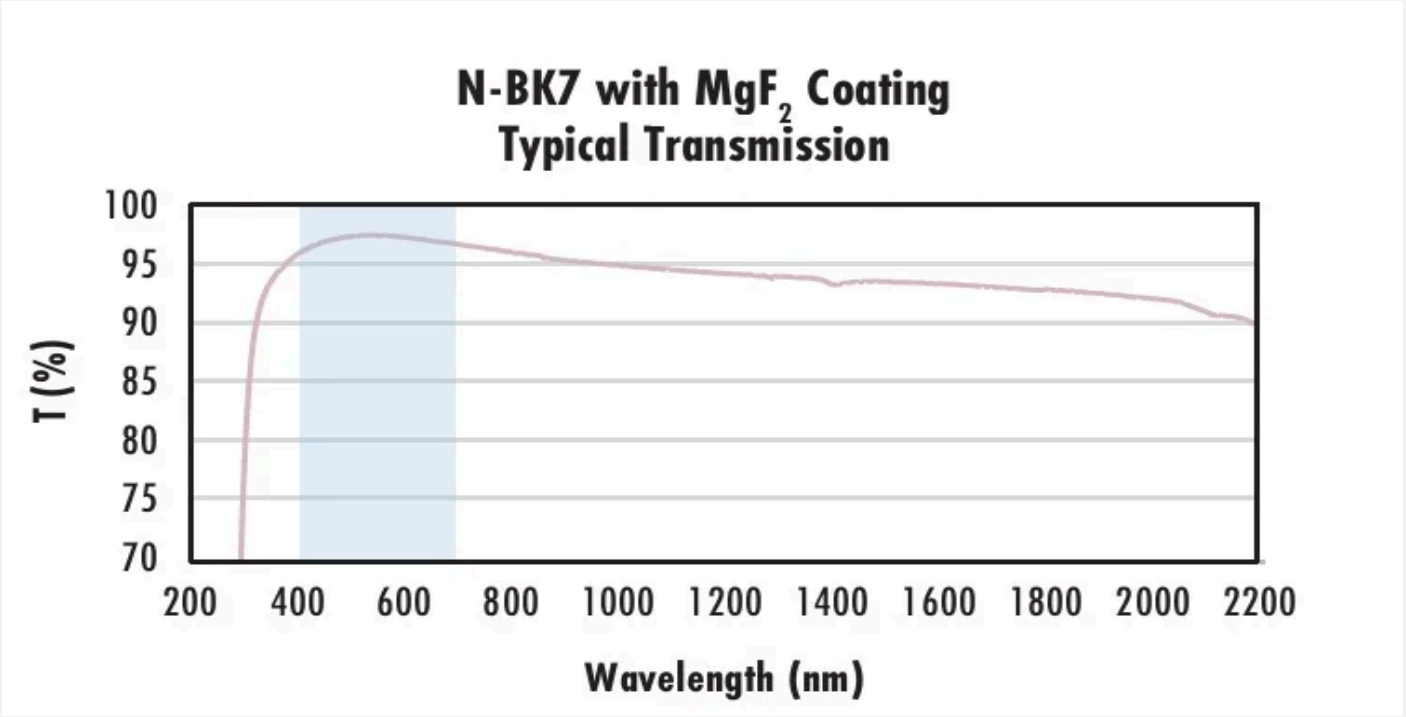

Typical transmission of a 3mm thick N-BK7 window w MgF2 (400-700nm) coating at 0° AOI.

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

$R_{avg} \leq 1.75\%$ @ 400 - 700nm (N-BK7)

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

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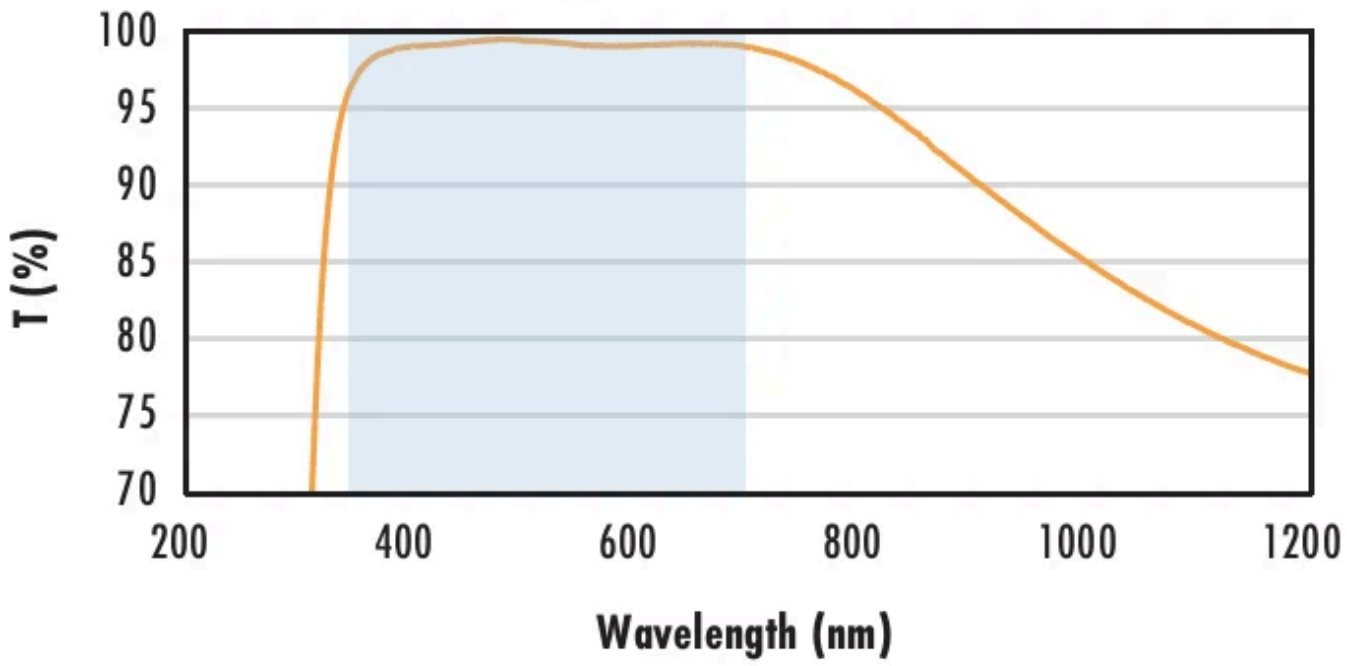

Typical transmission of a 3mm thick N-BK7 window w VIS-EXT (350-700nm) coating at 0° AOI.

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

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

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

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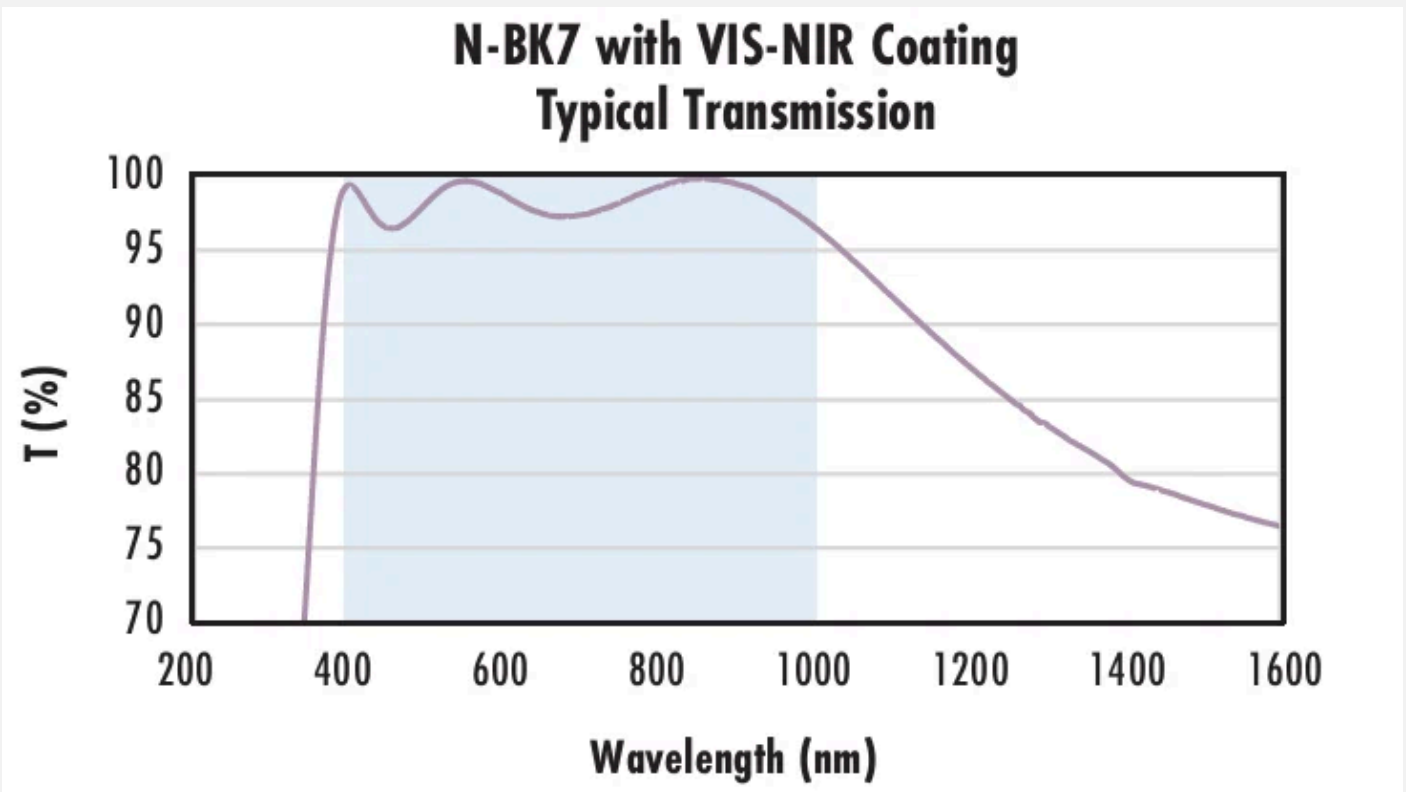

Typical transmission of a 3mm thick N-BK7 window w VIS-NIR (400-1000nm) coating at 0° AOI.

The blue shaded region indicates the coating desig 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 fo reference only.

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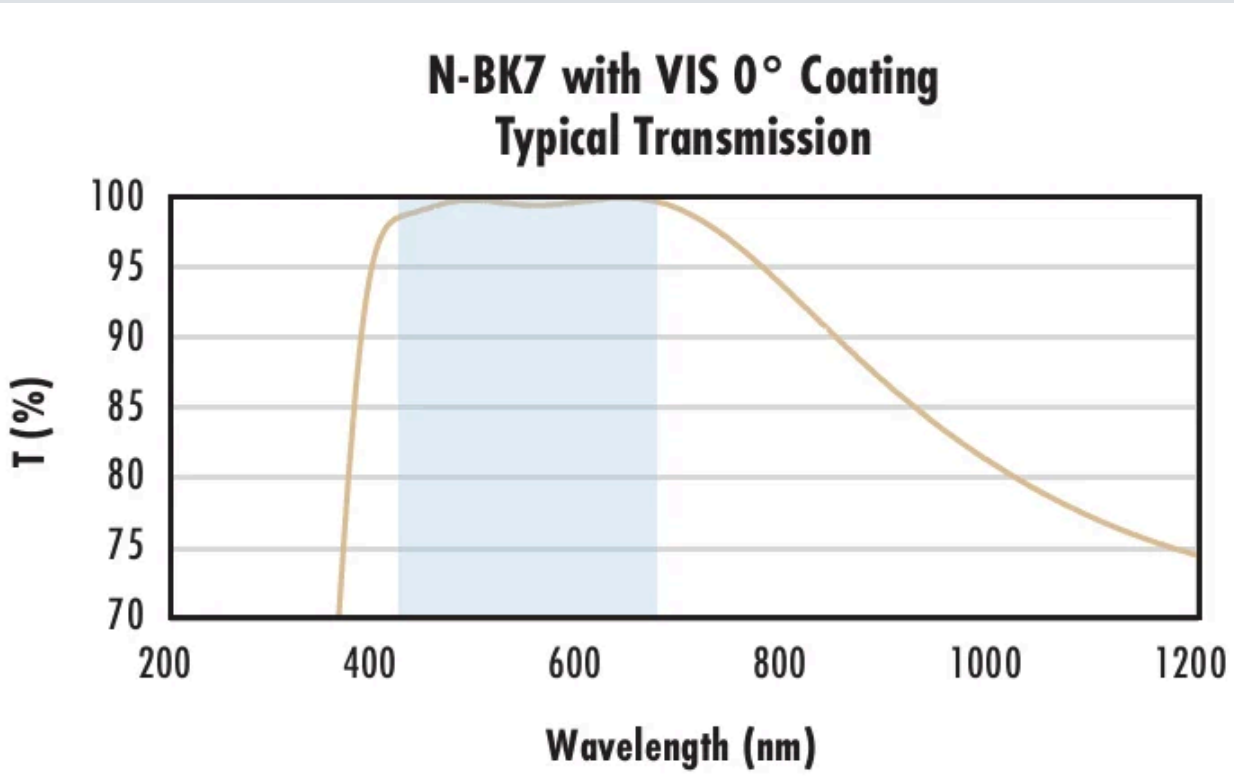

Typical transmission of a 3mm thick N-BK7 window wit 0° (425-675nm) coating at 0° AOI.

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

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

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

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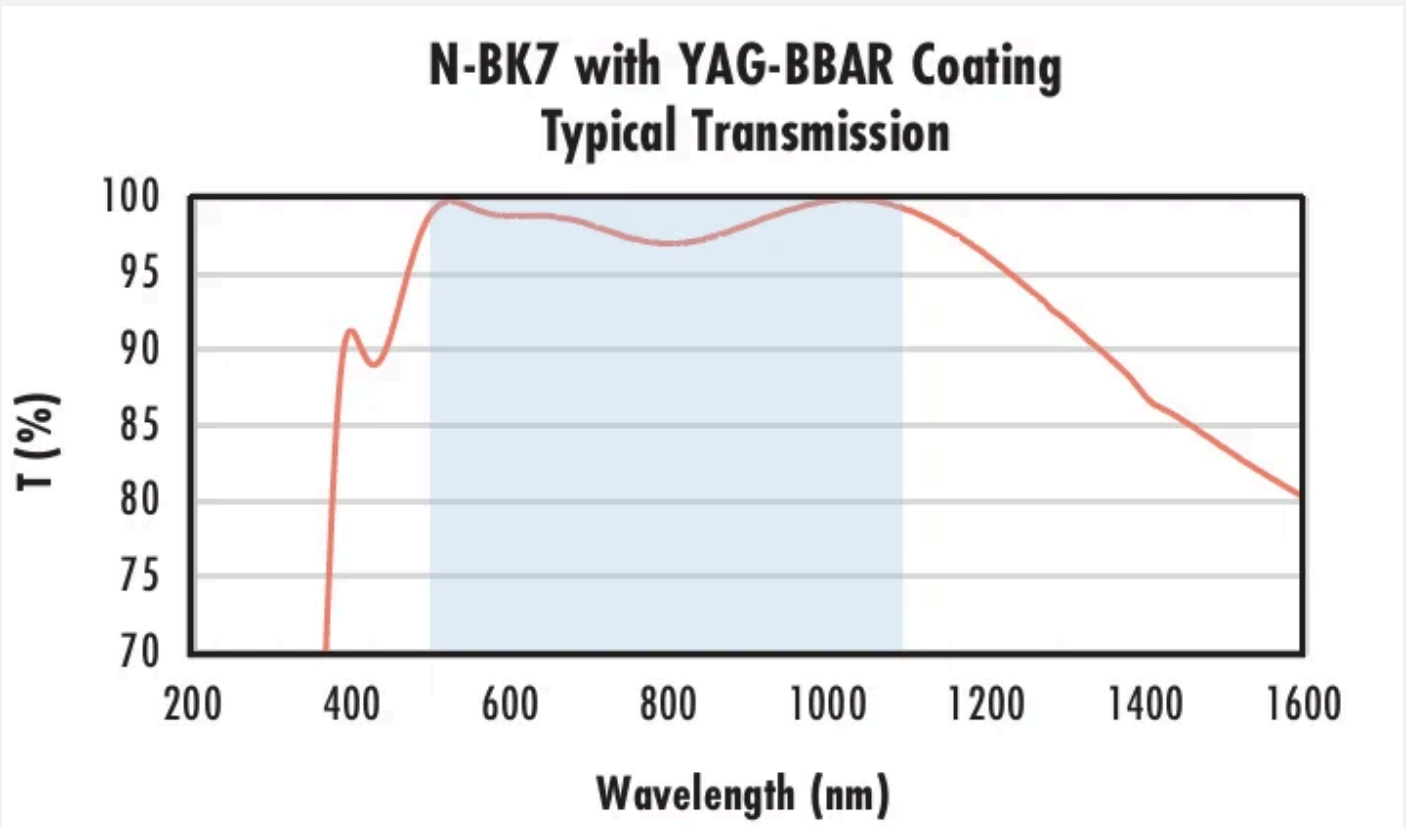

Typical transmission of a 3mm thick N-BK7 window w YAG-BBAR (500-1100nm) coating at 0° AOI.

The blue shaded region indicates the coating desig 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 fo reference only.

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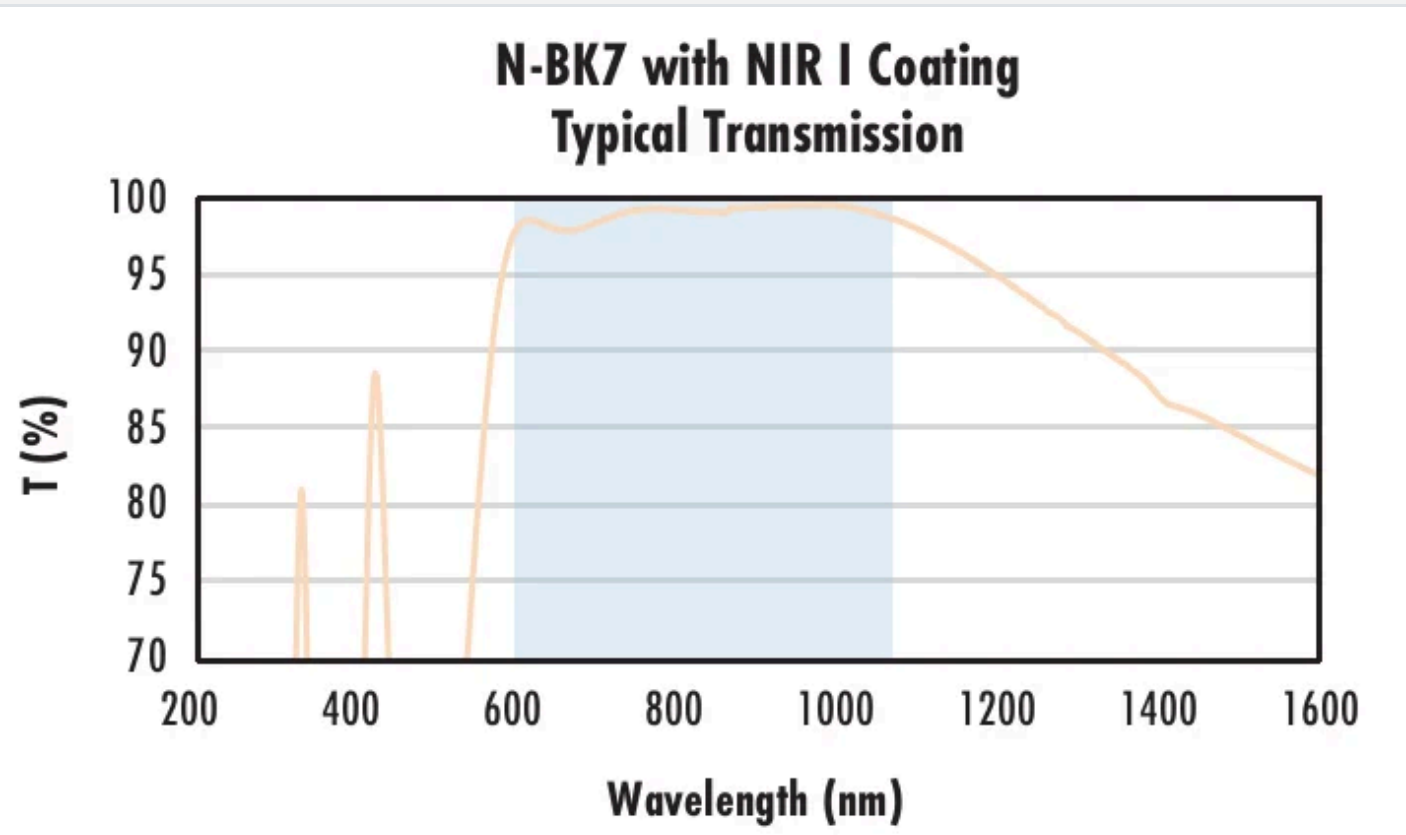

Typical transmission of a 3mm thick N-BK7 window witl I (600 - 1050nm) coating at 0° AOI.

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

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

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

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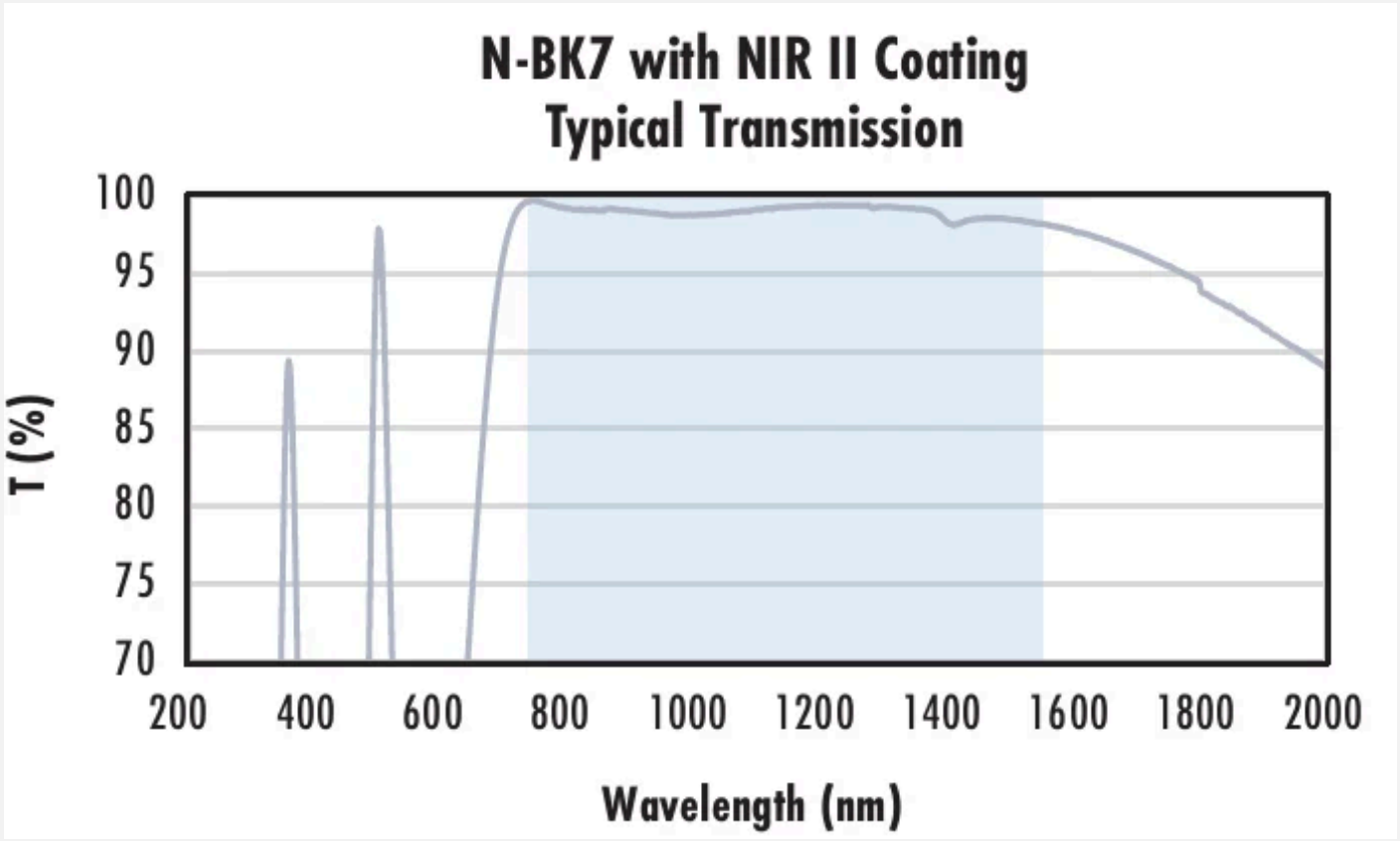

Typical transmission of a 3mm thick N-BK7 window witl
II (750 - 1550nm) coating at 0° AOI.

The blue shaded region indicates the coating desig
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 fo
reference only.

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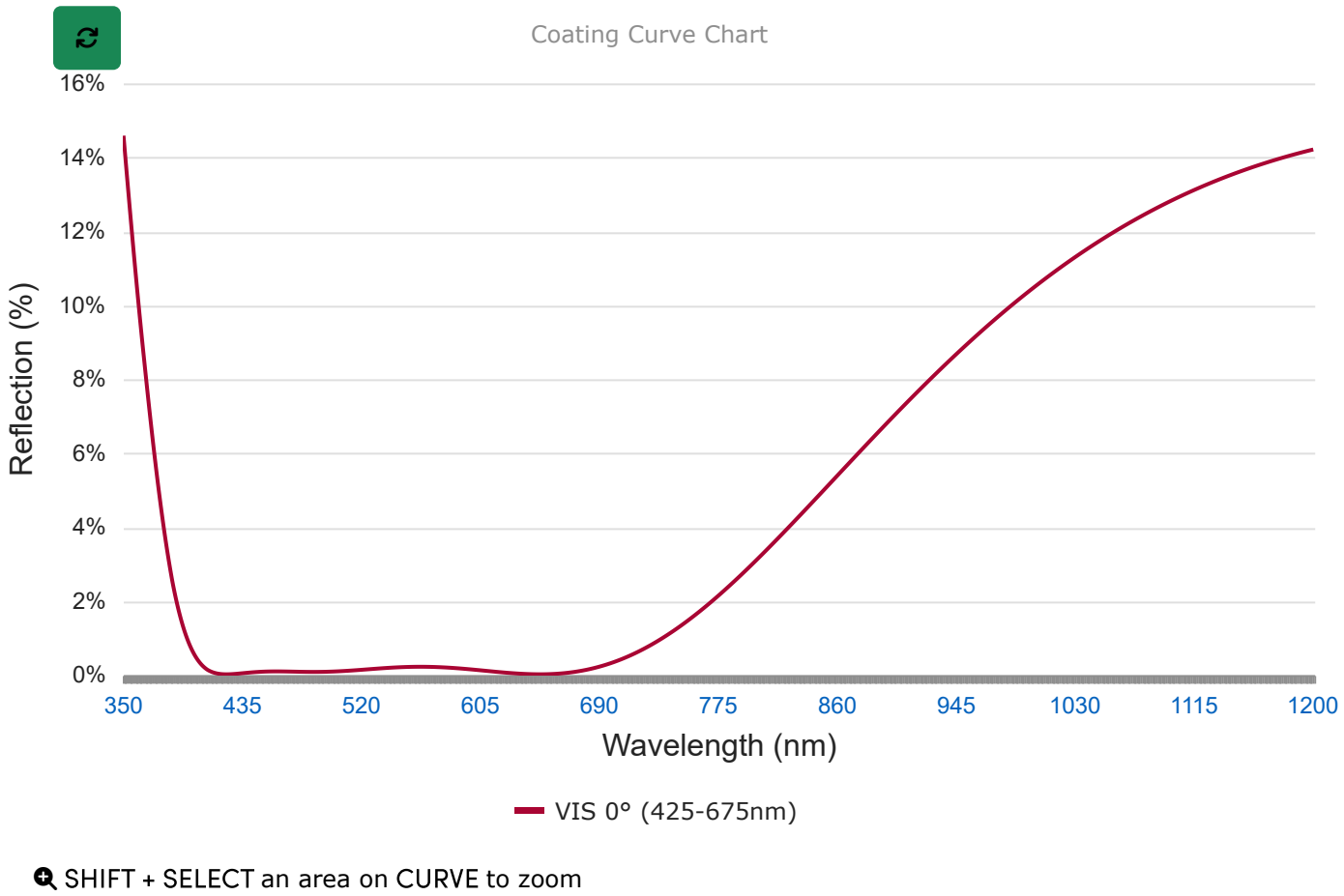
Coating Curves

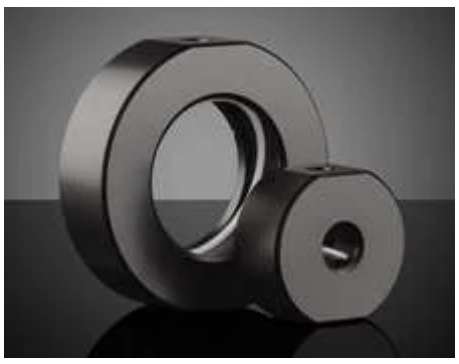
VIS 0° (425-675nm)



Please note that coating performance outside each product's specified design range is theoretical and may vary.

Related Products

C, S, and T-Mount Circular Optic Mounts



Optic Component Mounts

VIS 0° Coated Achromatic Lenses

VIS 0° Coated Double-Convex (DCX) Lenses

Frequently Purchased Together

#03-625 - 30mm - 50mm Length, C-Mount Fine Focus Tube
C$165.20
Qty

#03-655 - Sliding 2" x 3" Base Plate
C$35.35
Qty

#33-362 - 25.0mm Dia. x 200.0mm FL, NIR I Coated, Plano-Convex Lens
C$66.50
Qty

#34-526 - 25mm Diameter, Outdoor, Hydrophobic Window
C$133.00
Qty

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
MORE+ 	25.0/25.4mm Optic Dia., SM1 Thin Mount, M4	Fixed		#13-787	C$29.40 Request Quote	4 In Stock 1
MORE+ 	25.0/25.4mm Optic Dia., SM1 Thin Mount, 8-32	Fixed		#13-788	C$29.40 Request Quote	20+ In Stock 1
MORE+ 	25.4mm Optic Dia., 10mm Max Optic Thickness, Optic Mount	Fixed		#64-561	C$45.85 Request Quote	20+ In Stock 1
MORE+ 	25.4mm Optic Dia., 13mm Max Optic Thickness, Optic Mount	Fixed		#64-562	C$45.85 Request Quote	20+ In Stock 1
MORE+ 	25mm Thick Inner Single Optic Mount	Fixed		#38-758	C$57.40 Request Quote	20+ In Stock 1
MORE+ 	25.4mm Inner Single Optic Mount	Fixed		#38-756	C$57.40 Request Quote	20+ In Stock 1
MORE+ 	25.0/25.4mm Optic Dia., L-Slot Direct Mount	Fixed		#36-410	C$95.20 Request Quote	20+ In Stock 1
MORE+ 	25.0/25.4mm Optic Dia., Side Flange Direct Mount	Fixed		#36-414	C$99.40 Request Quote	20+ In Stock 1
MORE+ 	25/25.4mm Diameter, C-Mount Thin Optic Mount	Fixed		#56-353	C$138.60 Request Quote	20+ In Stock 1
MORE+ 	25.0/25.4mm Optic Dia., L-Slot and Rotation Direct Mount	Adjustable - Rotary		#36-411	C$142.80 Request Quote	5 In Stock 1
MORE+ 	25.0/25.4mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-956	C$386.40 Request Quote	CONTACT US 1

	Title	Type	Compare	Stock Number	Price ☐	Buy
MORE+ 	25.0/25.4mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-959	C$756.00 Request Quote	6 In Stock 1
MORE+ 	25.0/25.4mm Optic Dia., 5 Axes Optical Mount	Adjustable - Linear (XYZ) & Tip-Tilt		#13-776	C$1,057.00 Request Quote	2 In Stock 1

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- Technical Tool
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- Glossary
- Video

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Anti-Reflection (AR) Coatings

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An Introduction to Optical Coatings

APPLICATION NOTE
Understanding Optical Specifications

APPLICATION NOTE
Lens Geometry Performance Comparison

TECHNICAL TOOL
SAG Calculator

TRENDING IN OPTICS
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