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TECHSPEC® N-BK7 Wedge Prisms



- Ideal for Beam Steering
- 0.5° - 15° Beam Deviation Options
- Available Uncoated or Anti-Reflection Coated
- [Anamorphic Prism Pair](#) Also Available

Common Specifications

General

Note:

Specify this is S1 & S2 power and irregularity, not the overall power of the wedge

Physical & Mechanical Properties

Bevel:

Protective as needed

Optical Properties

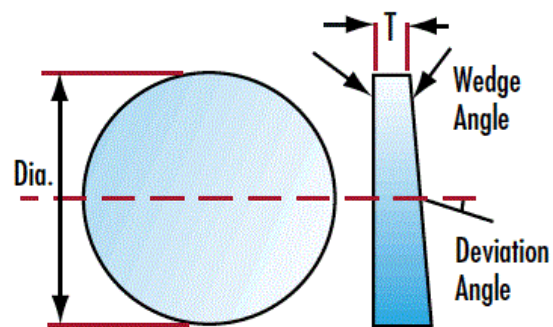
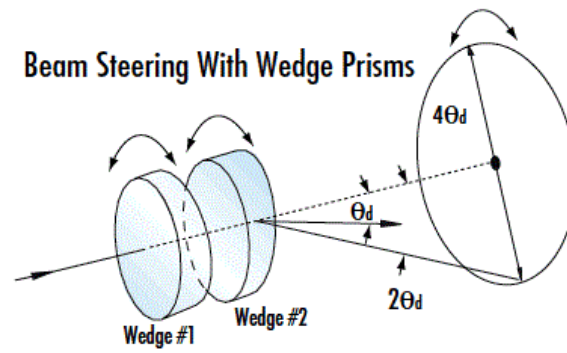
Angle Tolerance (arcsec):	±30	Design Wavelength DWL (nm):	632.8
Substrate:	N-BK7	Surface Quality:	20-10
Image Orientation:	Beam Deviation	Power (fringes) @ 632.8nm:	0.50
Irregularity (fringes) @ 632.8nm:	0.20		

Material Properties

 Coefficient of Thermal Expansion CTE (10⁻⁶/°C):

7.1

Technical Information



Products

Coating	Dia. (mm)	Thickness (mm)	Power (diopters)	Wedge Angle (°)	Wedge Angle (arcmin)	Stock Number	Price	Buy
Uncoated	12.50	1.50	0.87	0.97°	58	#35-734	S\$58.99 Volume Pricing	20+ In Stock
VIS-NIR (400-1000nm)	12.50	1.50	0.87	0.97°	58	#35-794	S\$78.41 Volume Pricing	10 In Stock
VIS 0° (425-675nm)	12.50	1.50	0.87	0.97°	58	#35-785	S\$74.68 Volume Pricing	6 In Stock
Uncoated	12.50	1.50	1.74	1.93°	1° 56'	#35-735	S\$58.99 Volume Pricing	9 In Stock
VIS-NIR (400-1000nm)	12.50	1.50	1.74	1.93°	1° 56'	#35-795	S\$78.41 Volume Pricing	5 In Stock
VIS 0° (425-675nm)	12.50	1.50	1.74	1.93°	1° 56'	#35-786	S\$74.68 Volume Pricing	Contact Us
Uncoated	12.50	1.50	3.49	3.87°	3° 52'	#35-736	S\$58.99 Volume Pricing	20+ In Stock
VIS-NIR (400-1000nm)	12.50	1.50	3.49	3.87°	3° 52'	#35-796	S\$78.41 Volume Pricing	5 In Stock
VIS 0° (425-675nm)	12.50	1.50	3.49	3.87°	3° 52'	#35-787	S\$74.68 Volume Pricing	5 In Stock
Uncoated	12.50	1.50	6.99	7.68°	7° 41'	#35-737	S\$58.99 Volume Pricing	7 In Stock
VIS-NIR (400-1000nm)	12.50	1.50	6.99	7.68°	7° 41'	#35-797	S\$78.41 Volume Pricing	4 In Stock
VIS 0° (425-675nm)	12.50	1.50	6.99	7.68°	7° 41'	#35-788	S\$74.68 Volume Pricing	Contact Us
Uncoated	12.50	1.50	10.51	11.35°	11° 21'	#35-738	S\$58.99 Volume Pricing	13 In Stock
VIS-NIR (400-1000nm)	12.50	1.50	10.51	11.35°	11° 21'	#35-798	S\$78.41 Volume Pricing	5 In Stock

VIS 0° (425-675nm)	12.50	1.50	10.51	11.35°	11° 21'	#35-789	S\$74.68 Volume Pricing	Contact Us
Uncoated	12.50	1.50	14.05	14.85°	14° 51'	#35-739	S\$58.99 Volume Pricing	11 In Stock
VIS-NIR (400-1000nm)	12.50	1.50	14.05	14.85°	14° 51'	#35-799	S\$78.41 Volume Pricing	1 In Stock
VIS 0° (425-675nm)	12.50	1.50	14.05	14.85°	14° 51'	#35-790	S\$74.68 Volume Pricing	Contact Us
Uncoated	12.50	1.50	17.63	18.13°	18° 8'	#35-740	S\$58.99 Volume Pricing	Contact Us
VIS-NIR (400-1000nm)	12.50	1.50	17.63	18.13°	18° 8'	#35-800	S\$78.41 Volume Pricing	1 In Stock
VIS 0° (425-675nm)	12.50	1.50	17.63	18.13°	18° 8'	#35-791	S\$74.68 Volume Pricing	3 In Stock
Uncoated	12.50	1.50	21.26	21.17°	21° 10'	#35-741	S\$58.99 Volume Pricing	12 In Stock
VIS-NIR (400-1000nm)	12.50	1.50	21.26	21.17°	21° 10'	#35-801	S\$78.41 Volume Pricing	2 In Stock
VIS 0° (425-675nm)	12.50	1.50	21.26	21.17°	21° 10'	#35-792	S\$74.68 Volume Pricing	2 In Stock
Uncoated	12.50	1.50	26.79	25.23°	25° 14'	#35-742	S\$58.99 Volume Pricing	20+ In Stock
VIS-NIR (400-1000nm)	12.50	1.50	26.79	25.23°	25° 14'	#35-802	S\$78.41 Volume Pricing	Contact Us
VIS 0° (425-675nm)	12.50	1.50	26.79	25.23°	25° 14'	#35-793	S\$74.68 Volume Pricing	5 In Stock
Uncoated	25.00	3.00	0.87	0.97°	0° 58'	#49-436	S\$74.68 Volume Pricing	20+ In Stock
VIS-NIR (400-1000nm)	25.00	3.00	0.87	0.97°	0° 58'	#49-437	S\$94.09 Volume Pricing	14 In Stock
VIS 0° (425-675nm)	25.00	3.00	0.87	0.97°	0° 58'	#49-438	S\$90.35 Volume Pricing	3 In Stock
Uncoated	25.00	3.00	1.74	1.93°	1° 56'	#45-555	S\$74.68 Volume Pricing	20+ In Stock

VIS-NIR (400-1000nm)	25.00	3.00	1.74	1.93°	1° 56'	#45-558	S\$94.09 Volume Pricing	20+ In Stock
VIS 0° (425-675nm)	25.00	3.00	1.74	1.93°	1° 56'	#49-439	S\$90.35 Volume Pricing	9 In Stock
Uncoated	25.00	3.00	3.49	3.87°	3° 52'	#43-651	S\$74.68 Volume Pricing	20+ In Stock
VIS-NIR (400-1000nm)	25.00	3.00	3.49	3.87°	3° 52'	#45-559	S\$94.09 Volume Pricing	5 In Stock
VIS 0° (425-675nm)	25.00	3.00	3.49	3.87°	3° 52'	#49-440	S\$90.35 Volume Pricing	8 In Stock
Uncoated	25.00	3.00	6.99	7.68°	7° 41'	#43-650	S\$74.68 Volume Pricing	20+ In Stock
VIS-NIR (400-1000nm)	25.00	3.00	6.99	7.68°	7° 41'	#45-560	S\$94.09 Volume Pricing	3 In Stock
VIS 0° (425-675nm)	25.00	3.00	6.99	7.68°	7° 41'	#49-441	S\$90.35 Volume Pricing	8 In Stock
Uncoated	25.00	3.00	10.51	11.35°	11° 21'	#45-556	S\$74.68 Volume Pricing	20+ In Stock
VIS-NIR (400-1000nm)	25.00	3.00	10.51	11.35°	11° 21'	#45-561	S\$94.09 Volume Pricing	8 In Stock
VIS 0° (425-675nm)	25.00	3.00	10.51	11.35°	11° 21'	#49-442	S\$90.35 Volume Pricing	10 In Stock
Uncoated	25.00	3.00	14.05	14.85°	14° 51'	#45-401	S\$74.68 Volume Pricing	20+ In Stock
VIS-NIR (400-1000nm)	25.00	3.00	14.05	14.85°	14° 51'	#45-562	S\$94.09 Volume Pricing	1 In Stock
VIS 0° (425-675nm)	25.00	3.00	14.05	14.85°	14° 51'	#49-443	S\$90.35 Volume Pricing	7 In Stock
Uncoated	25.00	3.00	17.63	18.13°	18° 8'	#45-557	S\$74.68 Volume Pricing	20+ In Stock
VIS-NIR (400-1000nm)	25.00	3.00	17.63	18.13°	18° 8'	#45-563	S\$94.09 Volume Pricing	Contact Us

VIS 0° (425-675nm)	25.00	3.00	17.63	18.13°	18° 8'	#49-444	S\$90.35 Volume Pricing	5 In Stock
Uncoated	25.00	3.00	21.26	21.17°	21° 10'	#47-621	S\$74.68 Volume Pricing	20+ In Stock
VIS-NIR (400-1000nm)	25.00	3.00	21.26	21.17°	21° 10'	#47-623	S\$94.09 Volume Pricing	2 In Stock
VIS 0° (425-675nm)	25.00	3.00	21.26	21.17°	21° 10'	#49-445	S\$90.35 Volume Pricing	3 In Stock
Uncoated	25.00	3.00	26.79	25.23°	25° 14'	#47-622	S\$74.68 Volume Pricing	20+ In Stock
VIS-NIR (400-1000nm)	25.00	3.00	26.79	25.23°	25° 14'	#47-624	S\$94.09 Volume Pricing	20+ In Stock
VIS 0° (425-675nm)	25.00	3.00	26.79	25.23°	25° 14'	#49-446	S\$90.35 Volume Pricing	Contact Us



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