



## Windows

	Materials	Illustration	Property and Application
<b>Windows</b>	BK7 UVFS CaF <sub>2</sub> MgF <sub>2</sub>		Windows are used to isolate different physical environments while allowing light to pass. When selecting windows you should consider materials, transmission, scattering, wavefront distortion, parallelism and resistance to certain environment.
<b>wedges</b>	BK7 UVFS		Wedged prisms are used as beamsteering elements in optical system. By combining two wedges of equal power in near contact, and by independently rotating them, a ray can be steered in any direction within the narrow cone.

### BK7 WINDOWS

Size	Thickness	Parallelism:1'		Parallelism:10"	
		Part No.	Unit Price	Part No.	Unit Price
Dia.10.0	3.00	WIN101	US\$5.0	WIN111	US\$8.0
Dia.12.7	3.00	WIN102	US\$5.0	WIN112	US\$8.0
Dia.15.0	3.00	WIN103	US\$5.0	WIN113	US\$9.0
Dia.25.4	6.35	WIN104	US\$6.5	WIN114	US\$11

### UVFS WINDOWS

Size	Thickness	Parallelism:1'		Parallelism:10"	
		Part No.	Unit Price	Part No.	Unit Price
Dia.10.0	3.00	WIN201	US\$10.0	WIN211	US\$16.0
Dia.12.7	3.00	WIN202	US\$10.0	WIN212	US\$16.0
Dia.15.0	3.00	WIN203	US\$10.0	WIN213	US\$17.0
Dia.25.4	6.35	WIN204	US\$12.0	WIN214	US\$20.0

### BK7 and UVFS Windows's Specification

Flatness:	$\lambda/10@632.8\text{nm}$
Diameter Tolerance:	+0.0, -0.15mm
Thickness tolerance:	$\pm 0.2\text{mm}$
Clear Aperture:	>80%
Surface Quality:	20-10 scratch and dig
Bevel:	0.25 mm x 45°
Coat:	uncoated
Bevel	:Projective Bevel

**CaF2 Windows**

Part No.	Dia.	Thickness	Unit Price
WIN301	Dia.10.0	3.0	US\$10.0
WIN302	Dia.12.7	3.0	US\$10.0
WIN303	Dia.15.0	3.0	US\$12.0
WIN304	Dia.25.4	3.0	US\$18.0

**MgF2 Windows**

Part No.	Dia.	Thickness	Unit Price
WIN401	Dia.10.0	3.0	US\$18.0
WIN402	Dia.12.7	3.0	US\$20.0
WIN403	Dia.15.0	3.0	US\$22.0
WIN404	Dia.25.4	3.0	US\$25.0

**CaF2 and MgF2 Windows's Specification**

Flatness:	$\lambda/4@632.8\text{nm}$
Diameter Tolerance:	+0.0, -0.15mm
Thickness tolerance:	$\pm 0.2\text{mm}$
Clear Aperture:	>80%
Surface Quality:	60-40 scratch and dig
Parallelism:	1'
Bevel:	0.25 mm x 45°
Coat:	uncoated

**BK7 wedges**

Part No.	Dia.	Thickness	$\beta$	$\alpha$	Unit Price
WED101	Dia.25.4	3.0	1°	1°57'	US\$10.0
WED102	Dia.25.4	3.0	2°	3°53'	US\$10.0
WED103	Dia.25.4	3.0	4°	7°46'	US\$10.0
WED104	Dia.25.4	3.0	6°	11°39'	US\$10.0

**UVFS wedges**

Part No.	Dia.	Thickness	$\beta$	$\alpha$	Unit Price
WED101	Dia.25.4	3.0	1°	1°57'	US\$20.0
WED102	Dia.25.4	3.0	2°	3°53'	US\$20.0
WED103	Dia.25.4	3.0	4°	7°46'	US\$20.0
WED104	Dia.25.4	3.0	6°	11°39'	US\$20.0

**BK7 and UVFS Wedges's Specification**

Flatness:	$\lambda/4@632.8\text{nm}$
Diameter Tolerance:	+0.0, -0.15mm
Thickness tolerance:	$\pm 0.2\text{mm}$
Clear Aperture:	>80%
Surface Quality:	60-40 scratch and dig
Wedge Angle Tolerance:	1'
Bevel:	0.25 mm x 45°
Coat:	uncoated