

## 1.5. Optical Windows



Various dimensions windows made from BK7, UVFS, FS, CaF<sub>2</sub>, ZnSe, Sapphire, MgF<sub>2</sub>. Windows are used to isolate different physical environments while allowing light to pass. When selecting windows you should consider the following properties of optical windows: transmission range, wavefront distortion, scattering, parallelism and resistance to certain environments. We offer windows of different materials and different degree of precision windows, from which you may choose in accordance with the properties you need. Special materials are available upon request.

### Standard specifications

Shape: round
Material: BK7, UVFS, FS
Surface figure: L/10-L/8 per 1" diam
Surface quality: 40/20 scratch/dig
Parallelism: <3arcmin

### Standard specifications

Shape: round
Material: ZnSe
Surface figure: L/2-L/4 per 1" diam
Surface quality: 40/20 scratch/dig
Parallelism: <3arcmin

### When Ordering please specify

Wedge: 1,2 deg or other
AR Coatings: Broadband, Laser Line, Specific coating for wavelength range or Uncoated

### 1.5.1. BK7 Optical Windows

Code	Name	Material	Wedge	Diameter (mm)	Thickness (mm)	Coating	Price (5-10pcs)	Price (11-20pcs)	Price (21-50pcs)	Price (>50pcs)	Currency
WD36	Brewster	BK7		12.5	5	no	20,400	16,800	14,100	12,600	JPY
WD21	Wedge	BK7	1 or 2 deg	12.5	5	no	8,700	7,200	6,000	5,400	JPY
WD1	Wedge	BK7		12.5	5	no	5,700	4,800	3,900	3,600	JPY
WD37	Brewster	BK7		25.4	6	no	24,600	20,100	17,100	15,300	JPY
WD22	Wedge	BK7	1 or 2 deg	25.4	6	no	10,200	8,400	7,200	6,300	JPY
WD2	Wedge	BK7		25.4	6	no	6,600	5,400	4,500	4,200	JPY
WD38	Brewster	BK7		38.1	6	no	35,700	29,400	24,600	22,200	JPY
WD23	Wedge	BK7	1 or 2 deg	38.1	6	no	17,100	14,100	12,000	10,800	JPY
WD3	Wedge	BK7		38.1	6	no	11,100	9,000	7,800	6,900	JPY
WD39	Brewster	BK7		50.8	8	no	43,800	36,000	30,300	27,300	JPY
WD24	Wedge	BK7	1 or 2 deg	50.8	8	no	22,800	18,600	15,600	14,100	JPY
WD4	Wedge	BK7		50.8	8	no	14,700	12,000	10,200	9,000	JPY
WD40	Brewster	BK7		76.2	10	no	67,200	55,200	46,500	41,700	JPY
WD25	Wedge	BK7	1 or 2 deg	76.2	10	no	42,900	35,100	29,400	26,400	JPY
WD5	Wedge	BK7		76.2	10	no	27,600	22,500	18,900	17,100	JPY

### 1.5.2. FS Optical Windows

Code	Name	Material	Wedge	Diameter (mm)	Thickness (mm)	Price (5-10pcs)	Price (11-20pcs)	Price (21-50pcs)	Price (>50pcs)	Currency
WD41	Brewster windows	FS		12.5	5	24,600	20,100	16,800	15,300	JPY
WD26	Optical wedge windows	FS	1 or 2 deg	12.5	5	10,500	8,700	7,200	6,600	JPY
WD6	Optical windows	FS		12.5	5	6,900	5,700	4,800	4,200	JPY
WD42	Brewster windows	FS		25.4	6	29,400	24,300	20,400	18,300	JPY
WD27	Optical wedge windows	FS	1 or 2 deg	25.4	6	12,300	10,200	8,400	7,500	JPY
WD7	Optical windows	FS		25.4	6	7,800	6,600	5,400	4,800	JPY
WD43	Brewster windows	FS		38.1	6	42,900	35,100	29,700	26,700	JPY
WD28	Optical wedge windows	FS	1 or 2 deg	38.1	6	20,700	16,800	14,100	12,900	JPY
WD8	Optical windows	FS		38.1	6	13,200	10,800	9,300	8,400	JPY
WD44	Brewster windows	FS		50.8	8	52,500	43,200	36,300	32,700	JPY
WD29	Optical wedge windows	FS	1 or 2 deg	50.8	8	27,300	22,500	18,900	17,100	JPY
WD9	Optical windows	FS		50.8	8	17,700	14,400	12,300	10,800	JPY
WD45	Brewster windows	FS		76.2	10	80,700	66,000	55,500	50,100	JPY
WD30	Optical wedge windows	FS	1 or 2 deg	76.2	10	51,300	42,000	35,400	31,800	JPY
WD10	Optical windows	FS		76.2	10	33,000	27,300	22,800	20,400	JPY

### 1.5.3. UVFS Optical Windows

Code	Name	Material	Wedge	Diameter (mm)	Thickness (mm)	Price (5-10pcs)	Price (11-20pcs)	Price (21-50pcs)	Price (>50pcs)	Currency
WD46	Brewster windows	UVFS		12.5	5	27,600	22,500	18,900	17,100	JPY
WD31	Optical wedge windows	UVFS	1 or 2 deg	12.5	5	12,000	9,900	8,100	7,500	JPY
WD11	Optical windows	UVFS		12.5	5	7,800	6,300	5,400	4,800	JPY
WD47	Brewster windows	UVFS		25.4	6	33,300	27,300	22,800	20,700	JPY
WD32	Optical wedge windows	UVFS	1 or 2 deg	25.4	6	13,800	11,400	9,600	8,700	JPY
WD12	Optical windows	UVFS		25.4	6	9,000	7,200	6,000	5,400	JPY
WD48	Brewster windows	UVFS		38.1	6	48,300	39,600	33,300	30,000	JPY
WD33	Optical wedge windows	UVFS	1 or 2 deg	38.1	6	23,100	18,900	15,900	14,400	JPY
WD13	Optical windows	UVFS		38.1	6	15,000	12,300	10,200	9,300	JPY
WD49	Brewster windows	UVFS		50.8	8	59,100	48,600	40,800	36,600	JPY
WD34	Optical wedge windows	UVFS	1 or 2 deg	50.8	8	30,900	25,200	21,300	19,200	JPY
WD14	Optical windows	UVFS		50.8	8	19,800	16,200	13,800	12,300	JPY
WD50	Brewster windows	UVFS		76.2	10	90,600	74,400	62,700	56,100	JPY
WD35	Optical wedge windows	UVFS	1 or 2 deg	76.2	10	57,900	47,400	39,900	35,700	JPY
WD15	Optical windows	UVFS		76.2	10	37,200	30,600	25,800	23,100	JPY

### 1.5.4. ZnSe Optical Windows

Code	Name	Material	Wedge	Diameter (mm)	Thickness (mm)	Price (5-10pcs)	Price (11-20pcs)	Price (21-50pcs)	Price (>50pcs)	Currency
WD16	Optical windows	ZnSe		12.5	2	12,600	10,200	8,700	7,800	JPY
WD17	Optical windows	ZnSe		25.4	3	18,000	14,700	12,300	11,100	JPY
WD18	Optical windows	ZnSe		38.1	3	28,500	23,400	19,800	17,700	JPY
WD19	Optical windows	ZnSe		50.8	5	59,400	48,600	41,100	36,900	JPY
WD20	Optical windows	ZnSe		76.2	6.4	118,500	97,200	81,900	73,500	JPY