

Stock ZnSe Windows

ZnSe windows can be fabricated in dimensions from 4.0mm to 300mm diameter, and in thicknesses from 1.0mm up to 50mm. Many standard sizes are manufactured and held in stock.

Hi-tech manufacturing methods

Latest ultra-low absorption coatings

High quality laser grade material

The following **Window** are available..

Part No.	Material	Diameter	ET	deg	T	R	Coating
WZ4920	ZnSe	12.5mm	2mm	0	99.4	0.1	AR/AR
WZ5030	ZnSe	12.7mm	3mm	0	99.4	0.1	AR/AR
WZ5910	ZnSe	15mm	1mm	0	99.4	0.1	AR/AR
WZ5960U	ZnSe	15mm	6mm	0	71	14.5	Uncoated ZnSe
WZ6330	ZnSe	16mm	3mm	0	99.4	0.1	AR/AR
WZ1020	ZnSe	25.4mm	2mm	0	99.4	0.1	AR/AR
WZ1030	ZnSe	25.4mm	3mm	0	99.4	0.1	AR/AR
WZ1030U	ZnSe	25.4mm	3mm	0	71	14.5	Uncoated ZnSe
WZ1040	ZnSe	25.4mm	4mm	0	99.4	0.1	AR/AR
WZ1130	ZnSe	28mm	3mm	0	99.4	0.1	AR/AR
WZ1140	ZnSe	28mm	4mm	0	99.4	0.1	AR/AR
WZ1150	ZnSe	28mm	5mm	0	99.4	0.1	AR/AR
WZ11830U	ZnSe	30mm	3mm	0	71	14.5	Uncoated ZnSe
WZ1530	ZnSe	38.05mm	3mm	0	99.4	0.1	AR/AR
WZ1530P	ZnSe	38.05mm	3mm	0	99.4	0.1	AR/AR
WZ1540	ZnSe	38.05mm	4mm	0	99.4	0.1	AR/AR
WZ1550	ZnSe	38.05mm	5mm	0	99.4	0.1	AR/AR
WZ1560	ZnSe	38.05mm	6mm	0	99.4	0.1	AR/AR
WZ17580	ZnSe	44.5mm	8mm	0	99.4	0.1	AR/AR
WZ19730	ZnSe	50mm	3mm	0	99.4	0.1	AR/AR
WZ19740	ZnSe	50mm	4mm	0	99.4	0.1	AR/AR
WZ19750	ZnSe	50mm	5mm	0	99.4	0.1	AR/AR
WZ1975099	ZnSe	50mm	5mm	0	1	99	AR/99%
WZ2030U	ZnSe	50.8mm	3mm	0	71	14.5	Uncoated ZnSe
WZ2040	ZnSe	50.8mm	4mm	0	99.4	0.1	AR/AR
WZ2050	ZnSe	50.8mm	5mm	0	99.4	0.1	AR/AR
WZ2050U	ZnSe	50.8mm	5mm	0	71	14.5	Uncoated ZnSe
WZ2060	ZnSe	50.8mm	6mm	0	99.4	0.1	AR/AR
WZ2530	ZnSe	63.5mm	3mm	0	99.4	0.1	AR/AR
WZ3030	ZnSe	76.2mm	3mm	0	99.4	0.1	AR/AR

Brewster Windows

Brewster windows operate at an angle of incidence equal to the 'Brewster angle' which is 67.4 for ZnSe at 10.6mm. In order to present a square profile to the incident beam, they are about 2.5 times longer than their width. They fully transmit linearly polarized light in the P-plane and reflect about 50% of the S-plane component. Consequently, they can be used to enhance ('clean-up') the polarization or by rotating it about the beam axis, they can be used as an attenuator. Coated versions enhance the reflectance of the S-component but at the expense of restricting the power. Usually, Brewster windows are used in pairs.

Wedge to between 1 and 3 arcminutes in order to overcome multiple interference
 Coated or uncoated versions and many sizes available
 High quality laser grade material

The following **Brewster Window** are available..

Model;	Material	Diameter	ET	deg	T	R	Coating
BWZ2510	ZnSe	25mm	3mm	0	71	14.5	Uncoated ZnSe
BWZ3315	ZnSe	33mm	3mm	0	71	14.5	Uncoated ZnSe
BWZE4015	ZnSe	40mm	3mm	67.4	98% P-Pol	99.5S- Pol	AR/U-EB
BWZ4218	ZnSe	42mm	3mm	0	71	14.5	Uncoated ZnSe
BWZ5018	ZnSe	50mm	3mm	0	71	14.5	Uncoated ZnSe
BWZE5018	ZnSe	50mm	3mm	67.4	98% P-Pol	99.5S- Pol	AR/U-EB
BWZ5320	ZnSe	53mm	3mm	0	71	14.5	Uncoated ZnSe
BWZ6122	ZnSe	61mm	3mm	0	71	14.5	Uncoated ZnSe
BWZ6323	ZnSe	63mm	3mm	0	71	14.5	Uncoated ZnSe
BWZ6625	ZnSe	66mm	3mm	0	71	14.5	Uncoated ZnSe
BWZE6625	ZnSe	66mm	3mm	67.4	98% P-Pol	99.5S- Pol	AR/U-EB
BWZ10038	ZnSe	100mm	3mm	0	71	14.5	Uncoated ZnSe
BWZ11542	ZnSe	115mm	3mm	0	71	14.5	Uncoated ZnSe
BWZ13248	ZnSe	132mm	3mm	0	71	14.5	Uncoated ZnSe