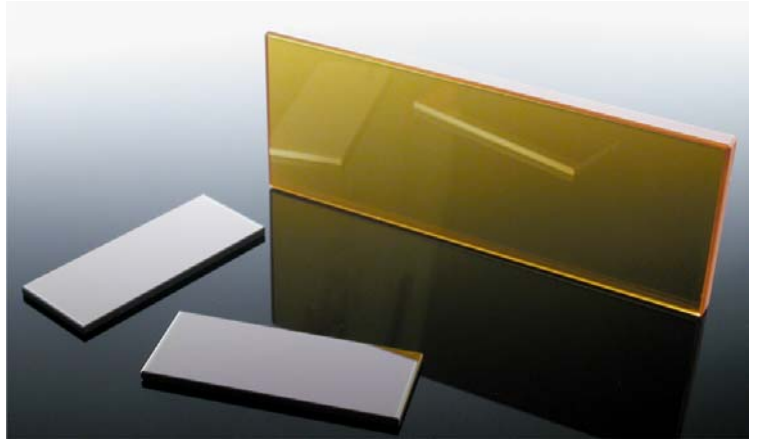


Brewster Windows

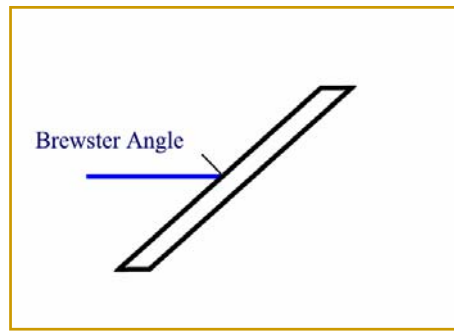


These polarization-selective windows are intended for use in high power laser systems. They transmit over 99% of the p-polarized radiation while reflecting a large proportion of the s-polarized component. Two different substrate materials are offered, Zinc Selenide and Germanium. The Windows are rectangular in shape so they present a square profile to the input beam when used at the Brewster angle (67.4° for ZnS and 76.0° for Ge).

Zinc Selenide Brewster windows transmit about half of the s-polarized component while Germanium Brewster windows transmit less than 20% of the s-polarized component.

Widths offered are: 6.35, 12.7, 15.2, 19.1, 25.4, 27.9, 38.1 and 50.8 mm.

Lengths are 2.6X the width for ZnSe and 4.1X the width for Ge.



Thickness varies from 2.0 to 5.0 mm as appropriate to maintain the flatness specification.

These windows are normally supplied uncoated but we can offer a range of coatings to suit the exact use of the window. Please ask about coatings.

Typical Specifications	
Substrate Material:	ZnSe, Ge
Surface flatness:	$\lambda/20$ @ 10.6 μm
Surface quality:	40/20
Parallelism:	< 3 arcmin
Dimensions:	+0.0 / -0.2 mm
Thickness:	+ 0.25 mm
Clear aperture:	> 85% of width

To request a quote or to order, please specify:

Quantity — Material — Width — Coating (if required)

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For a quotation — please phone, fax or email us with details of your requirements.