

Prism

Mirror

Window

Beamsplitter

Waveplate

IR Optics

Lens

Filter

Micro Optics

Plastic Optics

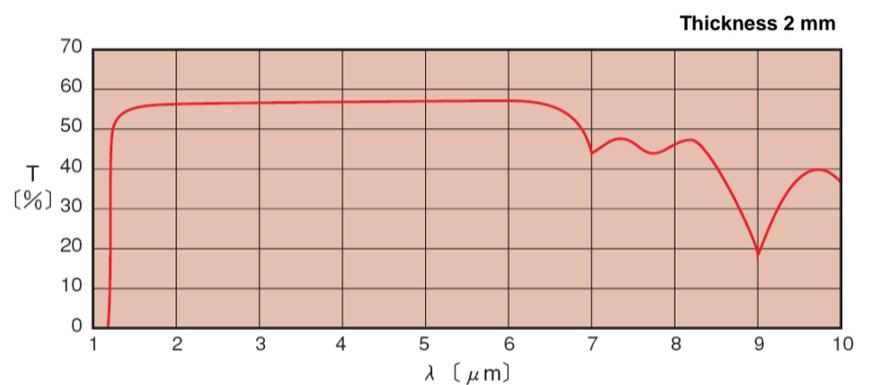
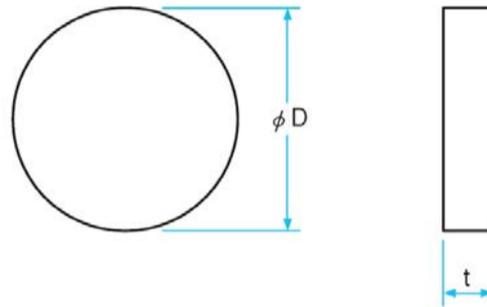
Window Silicon

Introductions



Used as transparent barriers for sending and receiving light between two phases under varying conditions in temperature, pressure, chemical composition, cleanliness, and phase. Silicon crystal windows, used primarily for light in the infrared region of wavelengths of 6 μ m or less, at which silicon crystal offers higher internal transmittance.

Beam Path



Standard Specifications

Items	Specifications
Material	Silicon (Si)
Density	2.33g/cm ³
Heat Transfer Coefficient	148 W/m · K
Dimension Tolerance	+0.0/-0.2 mm
Thickness Tolerance	± 0.2 mm
Clear Aperture	> 90%
Parallelism	< 3 arc minutes
Flatness	$\lambda/4$ at 632.8 nm
Surface Quality	scratch and dig 60-40
Bevel	0.5 (0/-0.3) mm

Notes:

1. Surface Quality could reach 40-20
2. Parallelism such as 30" is available.
3. Please show us the size and the coating specification.

Part NO.	D(mm)	t(mm)
IWS0101	30.0	3.0
IWS0102	40.0	4.0
IWS0103	50.0	5.0

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Optical Components

IWS 01