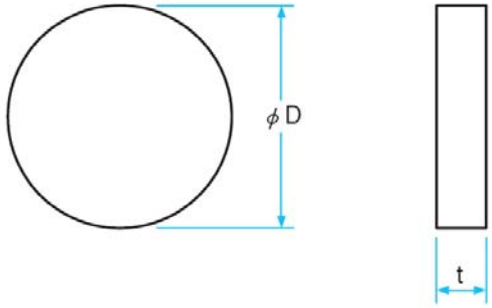
Window

Introductions

Used as transparent barriers for sending and receiving light between two phases under varying conditions in temperature, pressure, chemical composition, cleanliness, and phase. Fused Silica windows are used for visible and near IR. AR coated Fused Silica windows allowed more than 99% transmittance comparing with 92% of uncoated one.

Beam Path



Standard Specifications

Items	Specifications
Material	Fused Silica Grade A or equivalent Optical Glass
Designed Wavelength	546.1 nm
Designed Index	1.46008±0.0005
Dimension Tolerance	+0.0/-0.2 mm
Thickness Tolerance	± 0.2 mm
Clear Aperture	> 90%
Parallelism	< 1 arc minutes
Flatness	λ/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, 20-10
2. Parallelism such as 30” , 10”, 5” is available.
3. Please show us the size and the coating specification.

Part NO.	D(mm)	t(mm)	Coating
WND2101	12.7	3.0	uncoated
WND2102	12.7	5.0	uncoated
WND2103	15.0	2.0	uncoated
WND3101	12.7	3.0	T>99% @ 400-700 nm
WND3102	12.7	5.0	T>99% @ 400-700 nm
WND3103	15.0	2.0	T>99% @ 400-700 nm