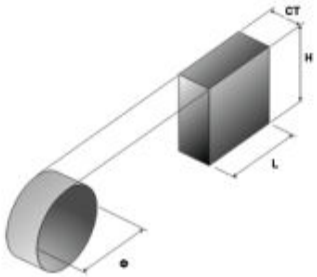
optical windows / filters

Optical windows or filters are made of optically transparent materials with parallel polished sides, ground edges and chamfers. The only difference between windows and filters is degree of attenuation of the optical spectrum.

The optical windows are usually intended to have maximum possible transmission for given material. In the case of filters the degree of transmission is tailored through the use of specific filter material and/or through use of specific coatings. The AR coatings are often applied on the polished sides of both optical windows and filters to improve their transmission characteristics. Windows are often used as protective elements. However, they may have additional filter or beamsplitter function. We can produce custom windows/filters on request.

WEBCODE:	D171-xxx	
DRAWING		
		
SPECIFICATIONS	SYMBOL	VALUE
Type		flat window
Material		Window : BK7, fused silica, sapphire, ... Filter : Schott RG type, NG type, ...
Central Thickness	CT	0.1 to 100 mm
Height	H	1 to 250 mm
Length	L	1 to 250 mm
Diameter	Φ	1 to 250 mm
Paralellism		1 arc sec
Dimension tolerance		+/- 0.1 mm
Flatness		λ / 4
NOTE		All specifications are customized upon request