

Colored Glass Filters

CeNing Optics provide a variety of colored glass filters covering the UV, visible and near-infrared wavelength regions. These filters serve as bandpass, broadband, or long-wave pass filters.

General Specifications

Material	Schott , Hoya colored glass or equivalent
Dimension tolerance	±0.15mm
Parallelism	3 arcmin
Surface flatness	$\lambda/2$ per 25mm
Surface quality	60-40 S/D
Clear aperture	>85%
Chamfers	0.25x45deg

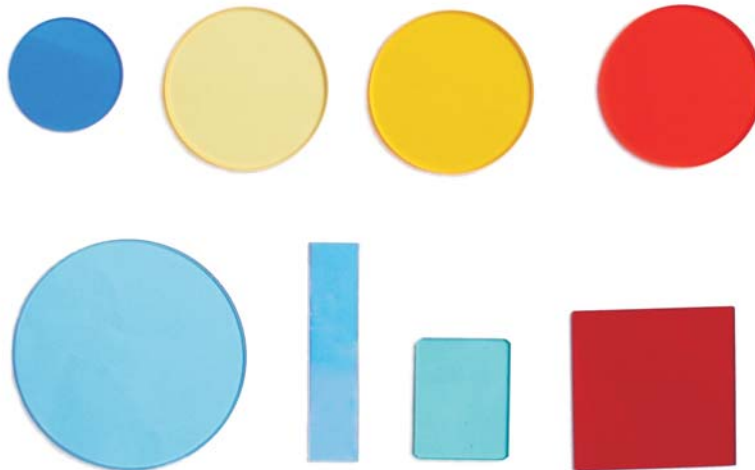
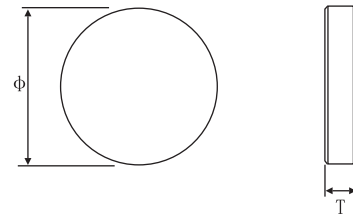
Typical Diameter(mm)

Ø5.0	Ø10.0	Ø12.7	Ø15.0	Ø20.0
Ø25.4	Ø30.0	Ø38.1	Ø50.8	Ø76.2

Typical Thickness(mm)

0.5	1.0	1.5	2.0	3.0
4.0	5.0			

other sizes and shapes are available.



Price on request Volume Discount Custom Design

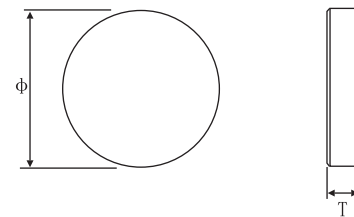
Narrowband Interference Filters

Narrow band pass interference filters only allow a desired narrow range of wavelength passed through, while simultaneously blocking both longer and shorter wavelengths.

FWHM means Full width at half-maximum

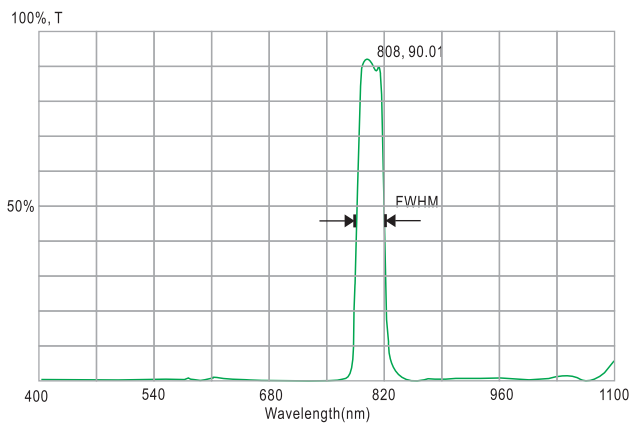
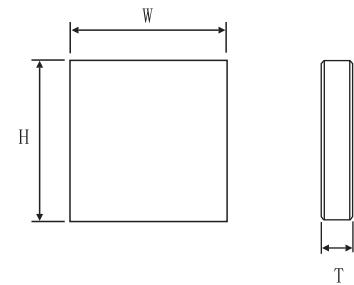
General Specifications

Material	Bk7
Dimension tolerance	$\pm 0.1\text{mm}$
Parallelism	3 arcmin
Flatness	$\lambda/4 @ 633\text{nm}$
Surface quality	60-40 S/D



Transmission example:

Angle of incidence:	0°
Transmission _(avg) :	$T > 85\%$
FWHM:	10nm
Blocking:	$T < 1\%$



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