

UV Filters

Overview

UV Pass Filters

UV Trans. Filters

Key Features

Blocking Visible Light.

UV Light(wavelength) transmit.

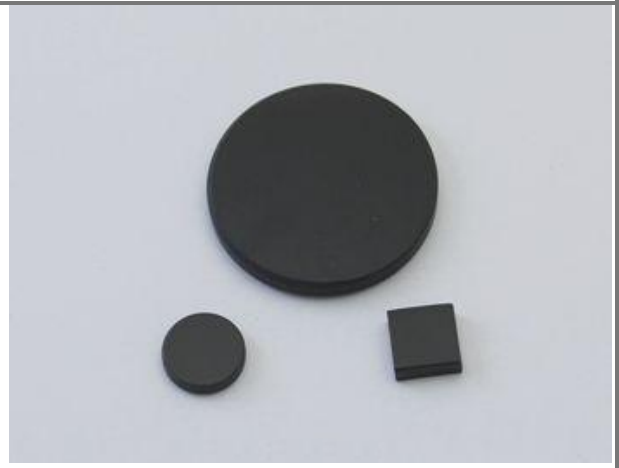
Applications

Medical Equipments.

Optical Equipments.

UV Light Source.

UV Light Box.



[▽YL-UV-445nm](#) [▽YL-UV-410nm](#) [▽YL-UV1](#) [▽YL-UV2](#) [▽YL-UV3](#)

Specifications

ITEM NO: YL-UV-445nm

Spectral Characteristics

T50%=445 +/- 10nm

Tave>75% @ 390-420nm

Tave<5% @ 470-700nm

Physical Characteristics

Thickness

Glass: 1.1mm

Borosilicate: 1.1mm

Dimension

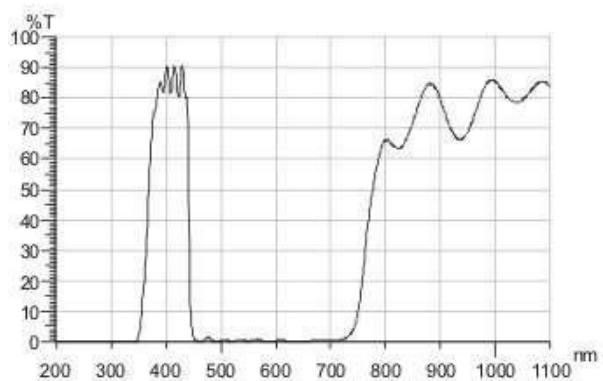
Square: 3*3 ~ 160*160mm

Round: 3 ~ 150mm

Resistant Temperature

Glass: 150 celsius

Borosilicate: 450 celsius



ITEM NO: YL-UV-410nm

Spectral Characteristics

T50%=410 +/- 10nm

Tave>65% @ 380-400nm

Tave<5% @ 450-700nm

Physical Characteristics

Thickness

Glass: 1.1mm

Borosilicate: 1.1mm

Dimension

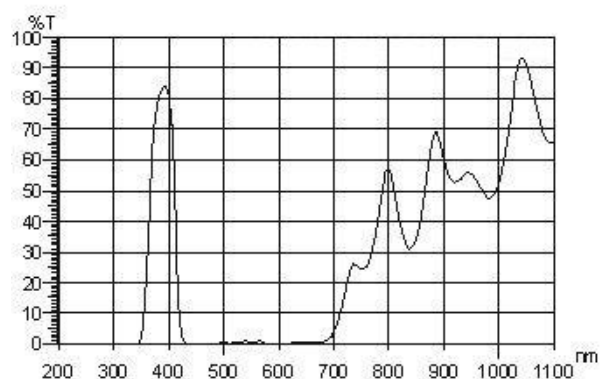
Square: 3*3 ~ 160*160mm

Round: 3 ~ 150mm

Resistant Temperature

Glass: 150 celsius

Borosilicate: 450 celsius



ITEM NO: YL-UV1 (Glass Filter)

Spectral Characteristics

Tave>60 @ 320-340nm

Tave<2% @ 420-650nm

Tave<3% @ 780-1100nm

Physical Characteristics

Thickness

Glass Filter: 1~3.5mm

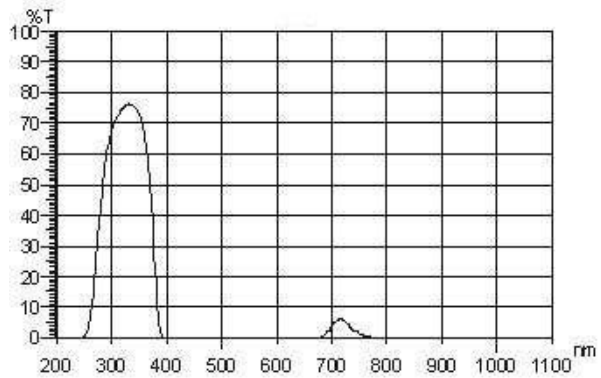
Dimension

Square: 3*3 ~ 150*150mm

Round: 3 ~ 145mm

Resistant Temperature

120 celsius



ITEM NO: YL-UV2 (Glass Filter)

Spectral Characteristics

Tave>60% @ 345-355nm

Tave<2% @ 430-680nm

Tave<30% @ 700-1100nm

Physical Characteristics

Thickness

Glass Filter: 1~3.5mm

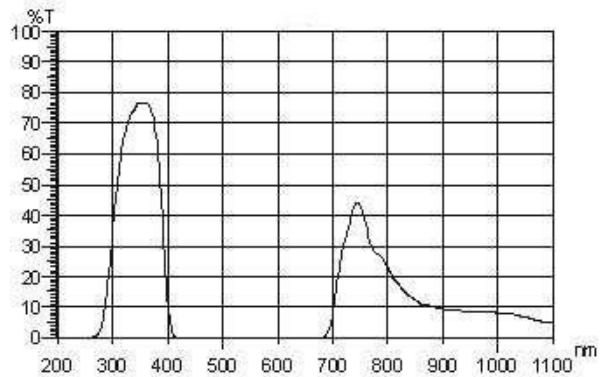
Dimension

Square: 3*3 ~ 150*150mm

Round: 3 ~ 145mm

Resistant Temperature

120 celsius



ITEM NO: YL-UV3 (Glass Filter)

Spectral Characteristics

Tave>60% @ 290-340nm

Tave<3% @ 450-660nm

Tave<30% @ 800-1100nm

Physical Characteristics

Thickness

Glass Filter: 1~ 3.5mm

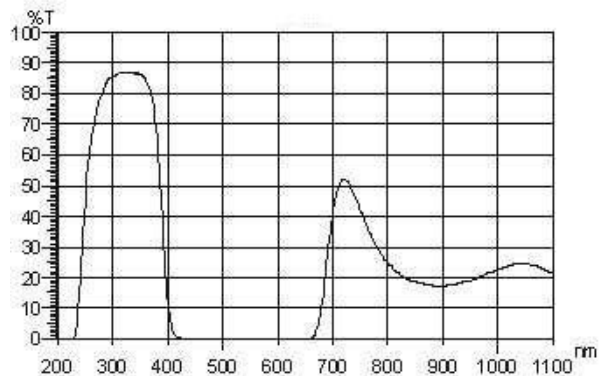
Dimension

Square: 3*3 ~ 210*260mm

Round: 3 ~ 150mm

Resistant Temperature

120 celsius



Information and Notes

- 1. YL-UV-445nM, YL-UV-410nM with 40~48 thin film layers which vacuum-deposited on substrate.
- 2. Coating by PVD-EBGE (Physical Vapor Deposition-Electron Beam Gun Evaporation).
- 3. YL-UV1, YL-UV2, YL-UV3 are Glass Filters absorbing visible wavelength and transmitting ultraviolet(uv).
- 4. The transmittance curves are based on actual measurements and may be different with manufacturing lots.
- 5. Glass Filters are also called "colored glass filters" or "color filters" generically.