

Hot Mirror / IR Cut Filters

Overview

IR CUT Filters
IR Blocking Filters

Key Features

IR Cut filter can reflect near infrared and high transmittance in visible wavelength.

Applications

Digital camera filters.
PC / Web camera filters.
Cell phone camera lens filters.
CCTV lens filters.



Specifications

ITEM NO: YL-IRCUT-650nm

Spectral Characteristics

T50%=650 +/- 10nm
Tave>88% @ 420-620nm
Tave<3% @ 720-1100nm

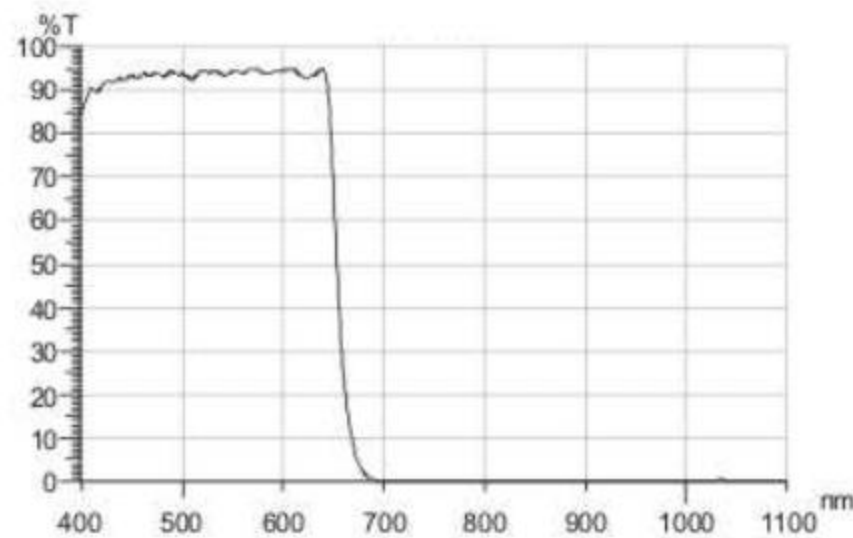
Physical Characteristics

Thickness
Glass: 0.4, 0.55, 0.7, 1.1mm

Dimension
Square: 3*3 ~ 160*160mm
Round: 3 ~ 150mm

Resistant Temperature

150 Celsius



ITEM NO: YL-IRCUT-710nm

Spectral Characteristics

T50%=710 +/- 10nm
Tave>88% @ 430-660nm
Tave<3% @ 780-1100nm

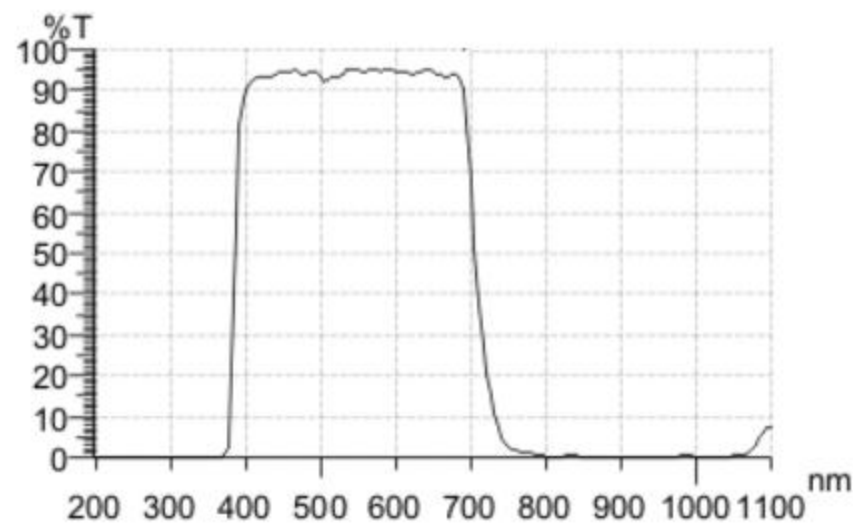
Physical Characteristics

Thickness
Glass: 0.4, 0.55, 0.7, 1.1mm
Borosilicate: 1.1, 2.0mm

Dimension
Square: 3*3 ~ 160*160mm
Round: 3 ~ 150mm

Resistant Temperature

Glass: 150 Celsius
Borosilicate: 450 Celsius



ITEM NO: YL-UV&IRCUT(AR)-385nm/725nm

Spectral Characteristics

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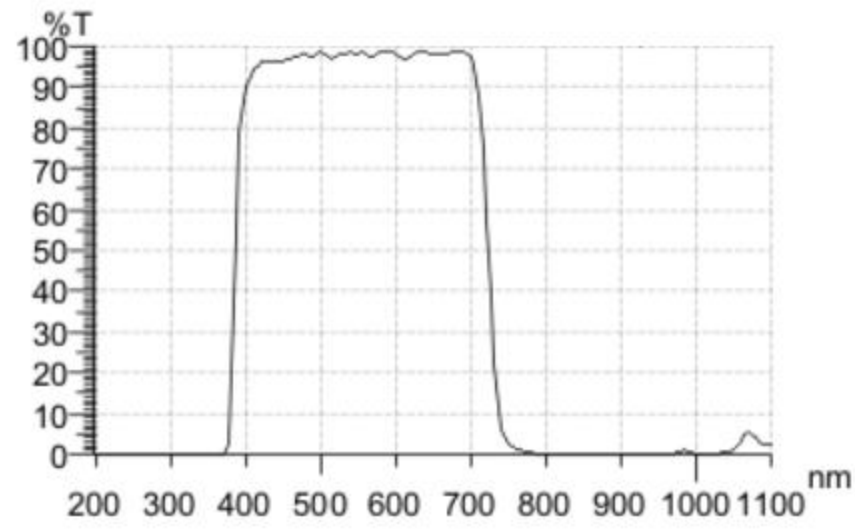
Tave<2% @ 200-370nm
 Tave>96% @ 430-680nm
 Tave<3% @ 800-1000nm

Physical Characteristics

Thickness
 D263T(*7): 0.3, 0.55mm
 Borosilicate: 1.1, 2.0mm

Dimension
 Square: 3*3 ~ 160*160mm
 Round: 3 ~ 150mm

Resistant Temperature
 D263T: 350 Celsius
 Borosilicate: 450 Celsius



ITEM NO: YL-UV&IRCUT(AR)-400nm/730nm

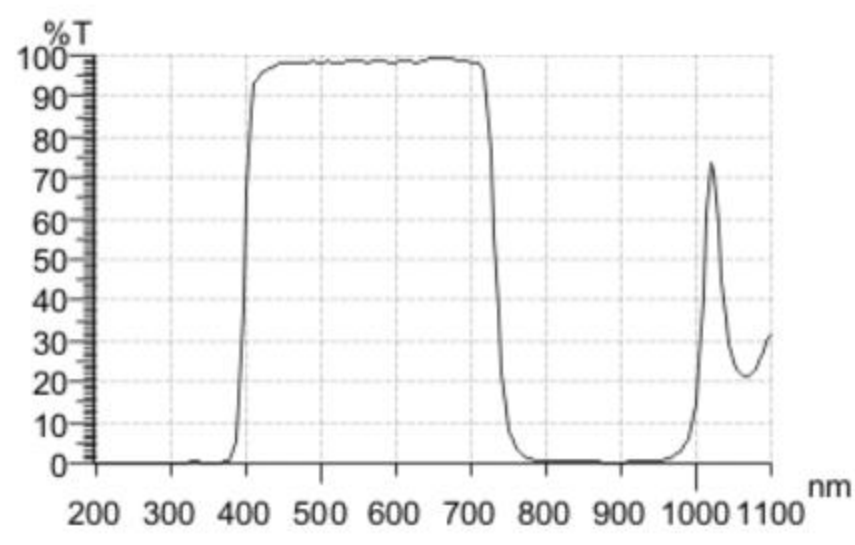
Spectral Characteristics
 Tave<2% @ 200-385nm
 Tave>96% @ 430-680nm
 Tave<3% @ 800-950nm

Physical Characteristics

Thickness
 D263T(*7): 0.3, 0.55mm
 Borosilicate: 1.1, 2.0mm

Dimension
 Square: 3*3 ~ 160*160mm
 Round: 3 ~ 150mm

Resistant Temperature
 D263T: 350 Celsius
 Borosilicate: 450 Celsius



ITEM NO: YL-IRCUT-880nm

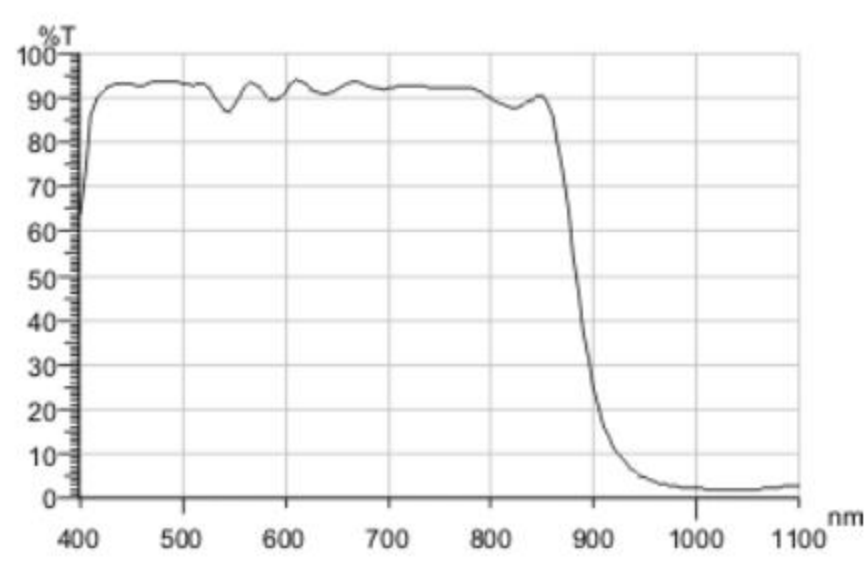
Spectral Characteristics
 T50%=880 +/- 10nm
 Tave>88% @ 430-8560nm
 Tave<5% @ 950-1100nm

Physical Characteristics

Thickness
 Glass: 0.4, 0.55, 0.7, 1.1mm

Dimension
 Square: 3*3 ~ 160*160mm
 Round: 3 ~ 150mm

Resistant Temperature
 150 Celsius



ITEM NO: YL-DN-650nm/850nm

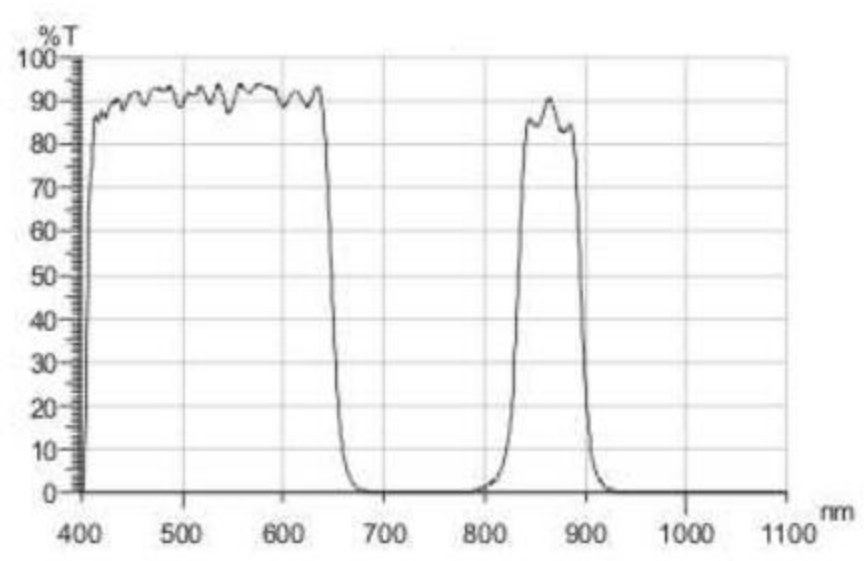
Spectral Characteristics
 T50%=650 +/- 10nm
 Tave>88% @ 420-620nm
 Tave<3% @ 720-800nm
 Tave>80% @ 845-855nm
 Tave<3% @ 950-1080nm

Physical Characteristics

Thickness
 Glass: 0.4, 0.55, 0.7, 1.1mm

Dimension
 Square: 3*3 ~ 80*88mm
 Round: 3 ~ 76mm

Resistant Temperature
 150 Celsius



Information and Notes

- 1. IR cut filters with 36~48 thin film layers which vacuum-deposited on substrate.
- 2. IR cut filters are designed with 0° of incidence angle, the larger incidence angles shift the characteristics to long wave side.
- 3. Coating by PVD-EBGE (Physical Vapor Deposition-Electron Beam Gun Evaporation).
- 4. Non-standard size filters are also available upon request.
- 5. The transmittance curves are measurements at 0° of incidence angle.
- 6. The transmittance curves are based on actual measurements and may be different with manufacturing lots.
- 7. D263T is trademarks of [SCHOTT AG](#).