

UV Transmitting Filters | UTVAF



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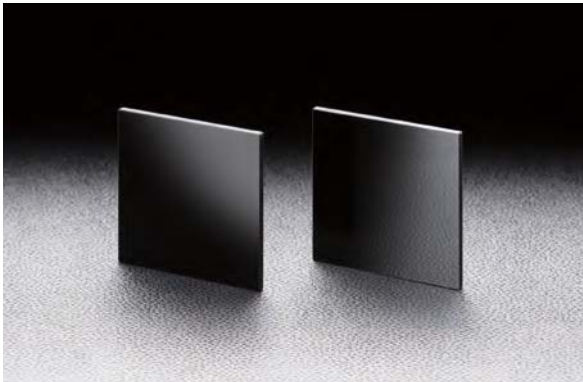
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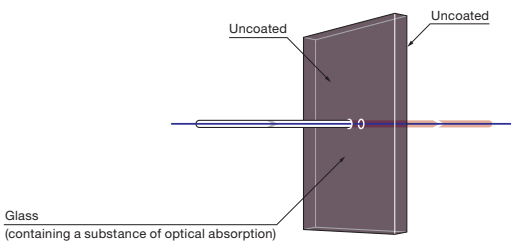
Etalon

A filter that transmits a specific wavelength in the UV range and cuts the visible range. It is used to select UV wavelength from a light emission or select a specific wavelength from multiwavelengths.

- It is widely used in fluorescence imaging or selection of only UV exposure from a visible light.
- UTVAF-36U is used for selecting the emitted light of the i line (365nm).
- Use the filter in a short wavelength detector, or to cut off the brightness of the visible light and increase the sensibility of the UV light.



Schematic



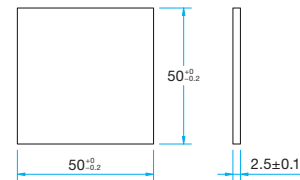
Guide

- ▶ We are also providing bandpass filter at narrow wavelength (model VPF).
- ▶ We are also providing high transmittance filter for interference application (model YIF).
- ▶ We can provide custom product not specifically mentioned on-line or in our catalog to your specifications, please contact our Sales Division with your specific requests.

Attention

- ▶ The absorption wavelength range can not be used with high power laser and high energy pulsed laser.
- ▶ There is no coating on both surfaces of the filter and there is a transmission loss of about 10%.

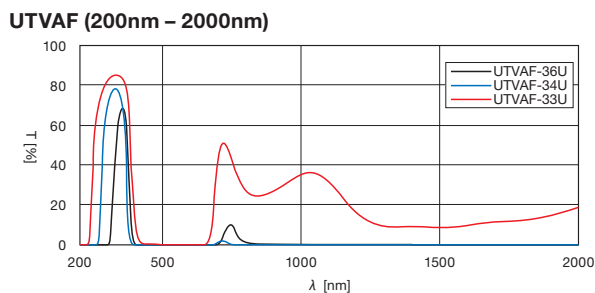
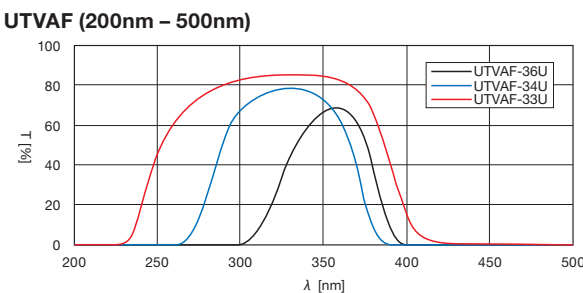
Outline Drawing (in mm)



Specifications

Part Number	Center wavelength [nm]	Transmittance for center wavelength [%]	Absorption limit short wavelength [nm]	Transmittance at short absorption limit [%]	Absorption limit long wavelength [nm]	Transmittance at long absorption limit [%]	Average Transmittance (absorption limit long wavelength - 700nm) [%]
UTVAF-50S-33U	317	>85	233	<5	431	<0.3	<5.0
UTVAF-50S-34U	325	>73	251	<5	398	<0.1	<0.1
UTVAF-50S-36U	350	>72	288	<5	410	<0.1	<0.1

Typical Transmittance Data



Compatible Optic Mounts

FHS-50 / FH-50