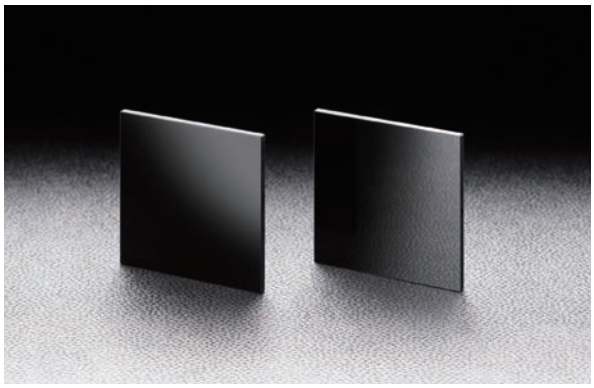
UV Transmitting Filters | UTVAF

RoHS Catalog Code W3108

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 selecion 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.



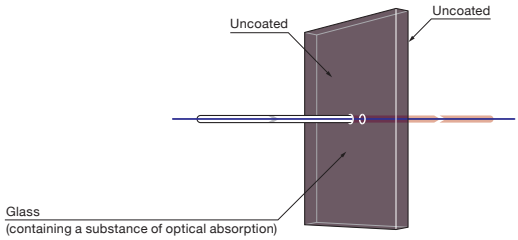
Guide

- We are also providing bandpass filter at narrow wavelength (model VPF). Reference B254
- We are also providing high transmittance filter for interference application (model YIF). Reference B252
- 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.

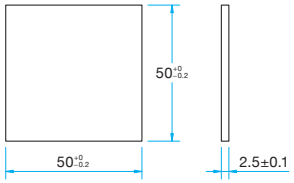
Attention

- 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%.

Schematic



Outline Drawing (in mm)



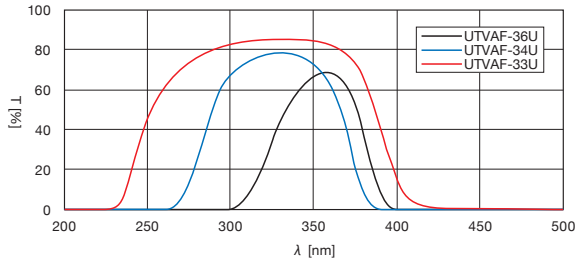
Specifications

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

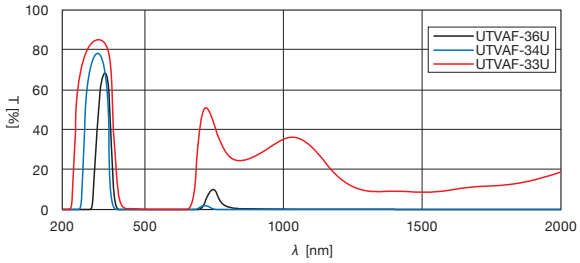
Typical Transmittance Data

T: Transmission

UTVAF (200nm – 500nm)



UTVAF (200nm – 2000nm)



Compatible Optic Mounts

FHS-50 / FH-50