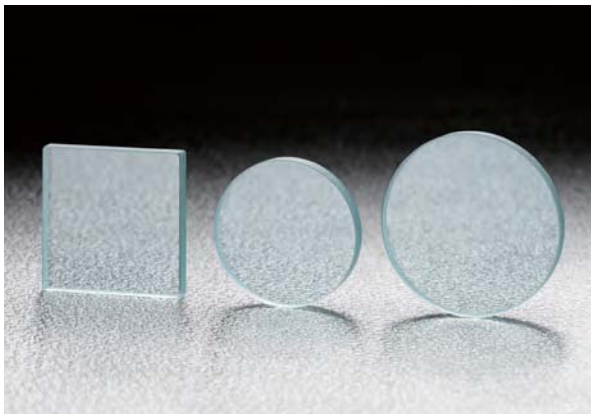
Heat Absorbing Filters | HAF

RoHS

This product is widely used for absorbing heat from halogen and xenon lights for experiments that need to avoid UV or heat from those lightings.

- Keep away from the heat that is released from NIR and IR range and it cuts off the brightness of the NIR and IR light.
- It also cuts-off spot light and heat during microscope illumination.
- Light transmitted throught the filter does not darken the high transmitted visible light.



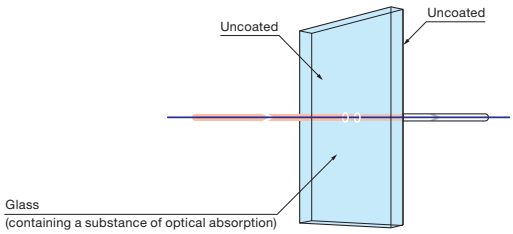
Guide

- The filter can be broken if it is placed too close to a high brightness lamp with its sudden heat. We recommend to strengthen the glass before this operation. (strengthened glass)
- We can provide customs specification which are not mentioned on-line or in our catalog, please contact our Sales Divsion with your request.

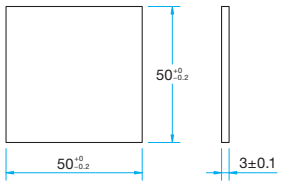
Attention

- 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



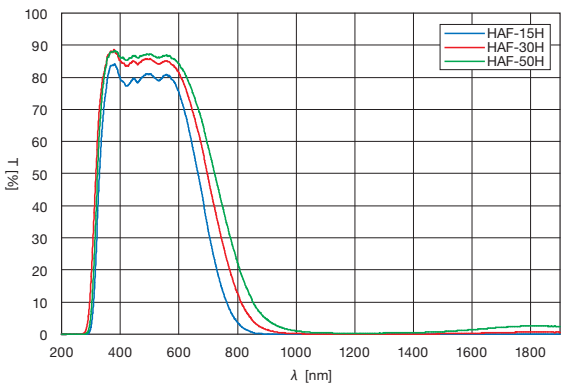
Outline Drawing (in mm)



Specifications

Part Number	Average transmittance (visible range) [%]	High transmittance limit wavelength [nm]	Transition wavelength [nm]	Absorption limit long wavelength [nm]	Transmittance of absorption range [%]	Average Transmittance (absorption limit long wavelength – 2000nm) [%]
HAF-50S-15H	>75	573	701±10	867	<0.5	<0.1
HAF-50S-30H	>80	558	743±10	975	<0.5	<0.5
HAF-50S-50H	>81	570	777±10	1052	<1.0	<3.0

Typical Transmittance Data T: Transmission



Compatible Optic Mounts

FHS-50 / FH-50