



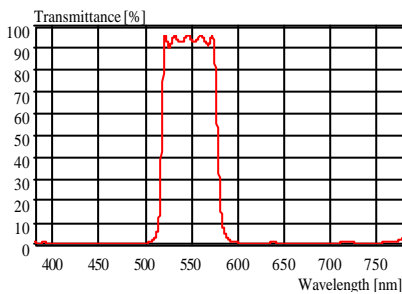
Dichroic Filters

Dichroic filters are designed to stand the UV energy and the heat in light sources of high energy.

Applications

- Analytical and scientific instruments
- Laser instruments
- Sensing apparatus
- Information processing systems
- Medical applications
- Optical communications
- Audio-video / light pick-up systems
- Lighting applications

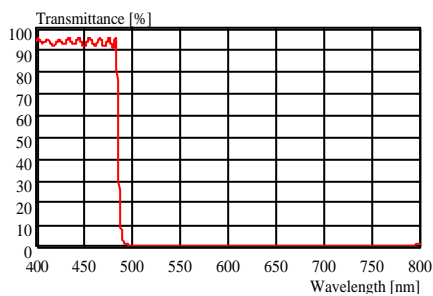
Examples of Dichroic Filters



Green Filter

This coating meets the following specifications:

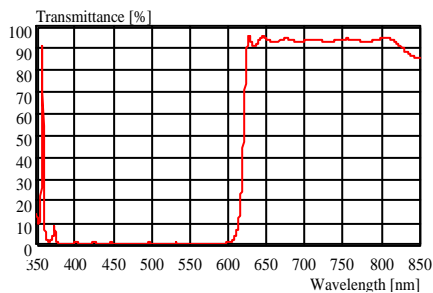
- $T < 1\%$ at 390nm to 485nm
- $T = 50\%$ at $518 \pm 7\text{nm}$
- $T > 80\%$ at 550nm to 565nm
- $T = 50\%$ at $578 \pm 7\text{nm}$
- $T < 1\%$ at 610nm to 760nm



Blue Filter

This coating meets the following specifications:

- $T > 80\%$ at 400nm to 470nm
- $T = 50\%$ at $485 \pm 5\text{nm}$
- $T < 1\%$ at 510nm to 760nm



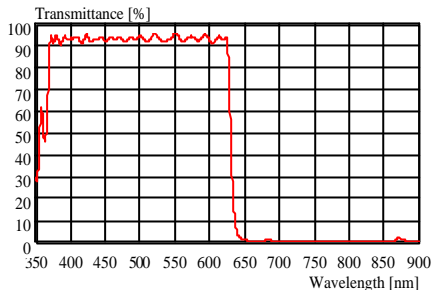
Red Filter

This coating meets the following specifications:

- $T < 1\%$ at 390nm to 590nm
- $T = 50\%$ at $620 \pm 10\text{nm}$
- $T > 80\%$ at 635nm to 760nm



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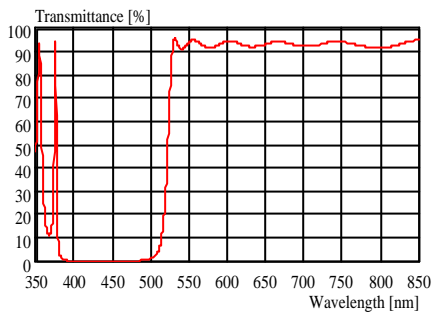
Cyan Filter

This coating meets the following specifications:

$T > 80\%$ at 400nm to 600nm

$T = 50\%$ at $630 \pm 10\text{nm}$

$T < 1\%$ at 660nm to 850nm



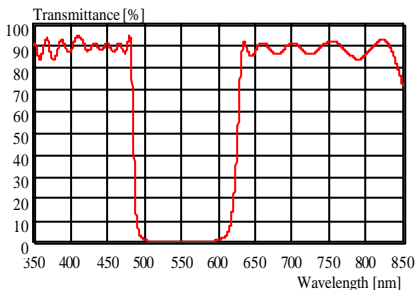
Yellow Filter

This coating meets the following specifications:

$T < 1\%$ at 400nm to 480nm

$T = 10\%$ at $515 \pm 10\text{nm}$

$T > 80\%$ at 545nm to 730nm



Magenta Filter

This coating meets the following specifications:

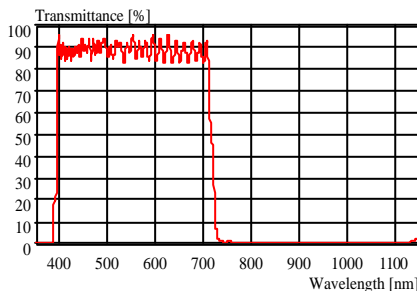
$T > 75\%$ at 400nm to 460nm

$T = 10\%$ at $490 \pm 10\text{nm}$

$T < 1\%$ at 530nm to 560nm

$T = 10\%$ at $618 \pm 7\text{nm}$

$T > 75\%$ at 650nm to 730nm



IR Cut Filter

This coating meets the following specifications:

$T > 50\%$ at 400nm

$T > 80\%$ at 420nm to 690nm

$T = 50\%$ at $715 \pm 15\text{nm}$

$T < 1\%$ at 750nm to 1120nm

We have the capability to do the coatings for dichroic filters according to our customers' specifications/requirements.