



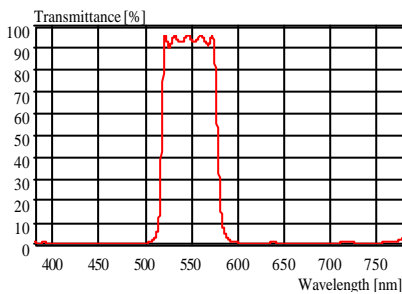
## Dichroic Filters

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

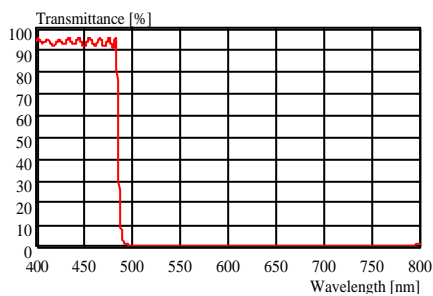
### Examples of Dichroic Filters



#### Green Filter

This coating meets the following specifications:

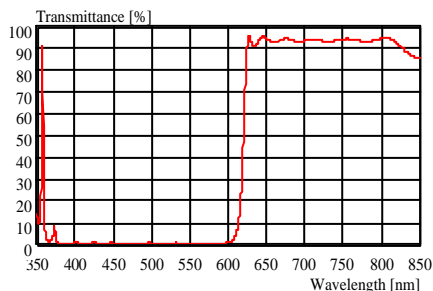
- $T < 1\%$  at 390nm to 485nm
- $T = 50\%$  at  $518 \pm 7\text{nm}$
- $T > 80\%$  at 550nm to 565nm
- $T = 50\%$  at  $578 \pm 7\text{nm}$
- $T < 1\%$  at 610nm to 760nm



#### 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



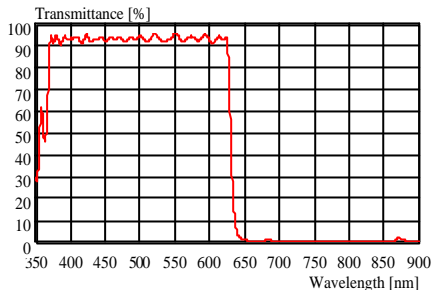
#### Red Filter

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



## OPTO-PRECISION PTE LTD



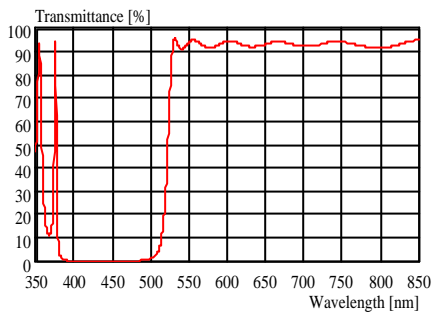
### Cyan Filter

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



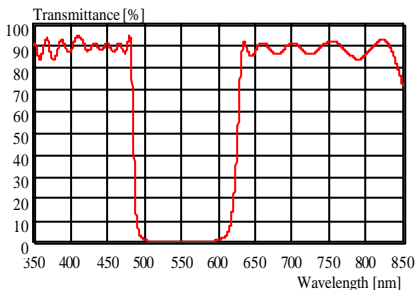
### Yellow Filter

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:

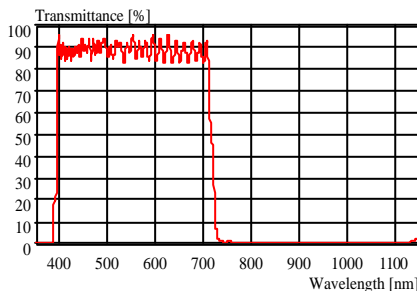
$T > 75\%$  at 400nm to 460nm

$T = 10\%$  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.