

# Laser Safety PVC Films | YL-600

RoHS

## Protect eyes from accidental exposure to scattered lasers.

- Made of flexible PVC, and can be easily cut and applied to many surfaces including windows, doors and glasses in laboratories and factories.

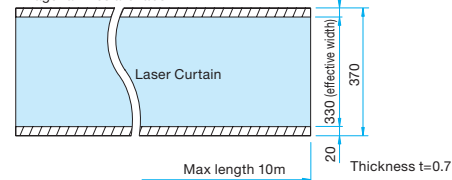


### Outline Drawing

(Units: mm)

YL-600

\* Diagonal lines are tabs.



### Common Specifications

|                          |                      |
|--------------------------|----------------------|
| Material                 | Flexible PVC         |
| Thickness [mm]           | 0.7                  |
| External Dimensions [mm] | Effective width: 330 |

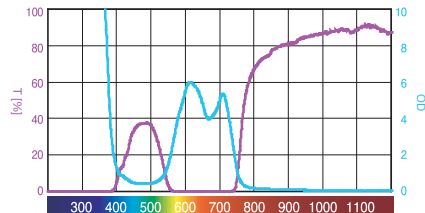
| Part Number      | Compatible Laser | Wavelength [nm]           | Optical Density [OD]                | Visible Light Transmittance [%] | Color | Length [mm] | Weight [kg] |
|------------------|------------------|---------------------------|-------------------------------------|---------------------------------|-------|-------------|-------------|
| YL-600-HN(0.5M)  | He-Ne            | 632.8<br>570 – 694.3      | 2<                                  | 12                              | Blue  | 500         | 0.18        |
| YL-600-HN(1M)    |                  |                           |                                     |                                 |       | 1,000       | 0.35        |
| YL-600-HN(2M)    |                  |                           |                                     |                                 |       | 2,000       | 0.7         |
| YL-600-HN(5M)    |                  |                           |                                     |                                 |       | 5,000       | 1.75        |
| YL-600-HN(10M)   |                  |                           |                                     |                                 |       | 10,000      | 3.5         |
| YL-600-LD(0.5M)  | LD               | 740 – 910<br>700 – 1000   | 3<<br>(However, Ti-Sapphire 1 – 3<) | 12                              | Green | 500         | 0.18        |
| YL-600-LD(1M)    |                  |                           |                                     |                                 |       | 1,000       | 0.35        |
| YL-600-LD(2M)    |                  |                           |                                     |                                 |       | 2,000       | 0.7         |
| YL-600-LD(5M)    |                  |                           |                                     |                                 |       | 5,000       | 1.75        |
| YL-600-LD(10M)   |                  |                           |                                     |                                 |       | 10,000      | 3.5         |
| YL-600C-Y2(0.5M) | YAG              | 266<br>355<br>532<br>1064 | 3<                                  | 7                               | Amber | 500         | 0.18        |
| YL-600C-Y2(1M)   |                  |                           |                                     |                                 |       | 1,000       | 0.35        |
| YL-600C-Y2(2M)   |                  |                           |                                     |                                 |       | 2,000       | 0.7         |
| YL-600C-Y2(5M)   |                  |                           |                                     |                                 |       | 5,000       | 1.75        |
| YL-600C-Y2(10M)  |                  |                           |                                     |                                 |       | 10,000      | 3.5         |

### Absorption characteristic graph \* Note that the graphs of optical density show measured values, not guaranteed values.

T: Transmittance

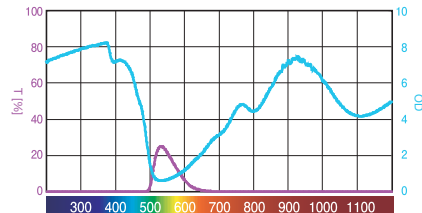
#### YL-600-HN

|                             |             |
|-----------------------------|-------------|
| Compatible Laser            | He-Ne       |
| Color                       | Blue        |
| Visible Light Transmittance | 12%         |
| Optical Density [OD]        |             |
| He-Ne                       | 632.8nm     |
| DYE                         | 570 – 630nm |
| GOLD-VAPOR                  | 627.8nm     |
| Kr                          | 647.1nm     |
|                             | 676.4nm     |
| Ruby                        | 694.3nm     |
|                             | 2<          |



#### YL-600-LD

|                             |              |
|-----------------------------|--------------|
| Compatible Laser            | LD           |
| Color                       | Green        |
| Visible Light Transmittance | 12%          |
| Optical Density [OD]        |              |
| LD                          | 740 – 910nm  |
| ALEXANDRITE                 | 740 – 820nm  |
| Ti-Sapphire                 | 700 – 1000nm |
|                             | 1 – 3<       |



#### YL-600C-Y2 (Multi-wavelength compatible type)

|                             |        |
|-----------------------------|--------|
| Compatible Laser            | YAG    |
| Color                       | Amber  |
| Visible Light Transmittance | 7%     |
| Optical Density [OD]        |        |
| YAG                         | 226nm  |
|                             | 355nm  |
|                             | 532nm  |
|                             | 1064nm |
|                             | 3<     |

