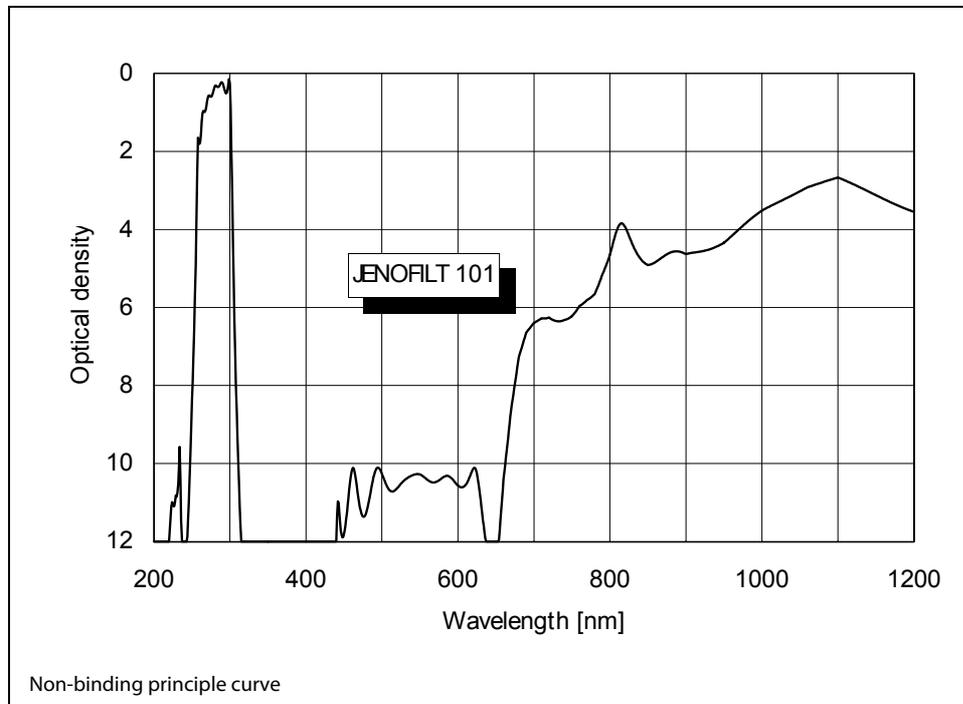


# JENOFILT 101

## 300 nm cut-off UV Filter



## Edge Filter for UV

### Optical properties:

Cut - off wavelength:  $(300 \pm 3)$  nm

Transmission range:  $270 \text{ nm} \leq \lambda \leq 300 \text{ nm}$

Blocking range:  $\text{OD} > 12$  for  $315 \text{ nm} \leq \lambda \leq 450 \text{ nm}$

$\text{OD}_{\text{ave}} > 10$  for  $450 \text{ nm} \leq \lambda \leq 600 \text{ nm}$   
similar to principle curve

(Angle of incidence  $i = 0^\circ$ )

### Applications:

These filter ensures a very high blocking in the visible range.

It is suitable for suppressing undesirable VIS and NIR stray light to improve the signal to noise ratio in UV detecting or imaging optical systems.

### Durability:

Humidity: MIL-C-48497A / section 4.5.3.2

Temperature:  $-40^\circ\text{C}$  to  $+80^\circ\text{C}$

### Substrate material:

The filter consists of a cemented combination of interference filters and color glass slides.

Typical diameters are 15 to 50 mm with a thickness of about 6 - 7 mm.

### Special features:

The cut-off wavelength shifts to shorter wavelengths with an increasing incidence angle.

Other cut-off wavelengths are possible on request.

### Issue:

December 95

### Doc-No.:

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### Ordering code:

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