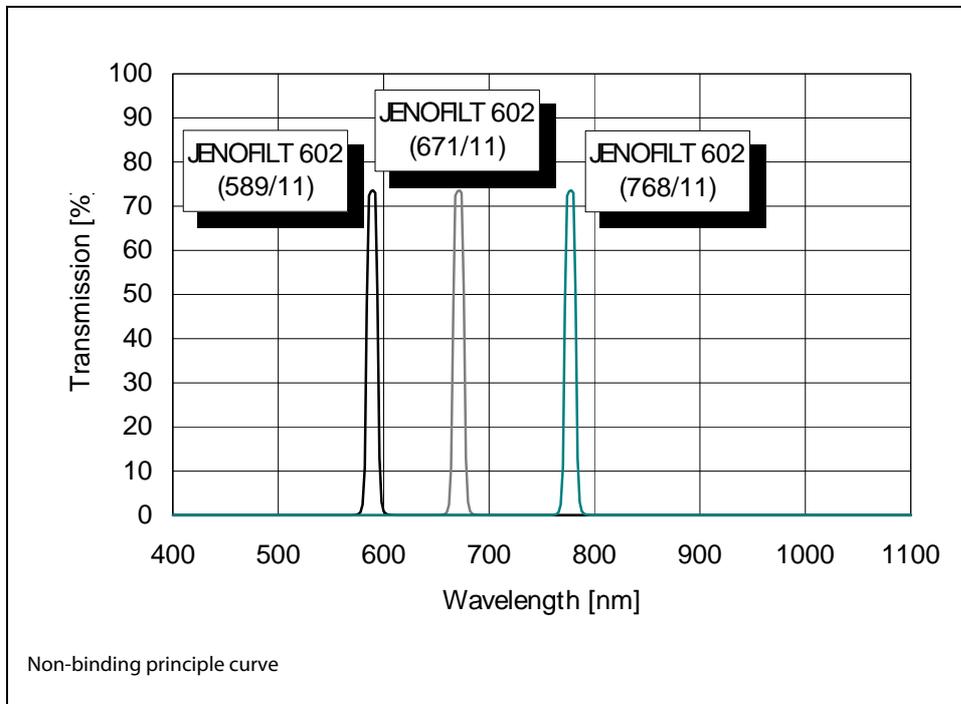


# JENOFILT 602

## Bandpass Filter with 11 nm Halfbandwidth



## Bandpass Filter for VIS / NIR

### Optical properties:

| CWL [nm]  | BW(1%)/HBW | T <sub>peak</sub> | n <sub>e</sub> |
|-----------|------------|-------------------|----------------|
| 400 - 430 | < 2.3      | (45 ± 10) %       | 1.5            |
| 431 - 470 | < 2.3      | (60 ± 10) %       | 1.5            |
| 471 - 750 | < 2.3      | (70 ± 10) %       | 2.0            |
| 751-1000  | < 3.5      | (55 ± 10) %       | 1.5            |

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

Blocking:  $T < 0.01\%$  for  $200 \text{ nm} \leq \lambda \leq 1100 \text{ nm}$

Tolerance of CWL and HBW is  $\pm 2 \text{ nm}$ .

The incidence dependence of CWL  $\lambda_0$  is

$$\Delta\lambda_0(i) = \frac{\lambda_0}{2} * \frac{\sin(i)}{n_e}$$

### Applications:

JENOFILT 602 is a high performance dielectric narrow bandpass filter.

It is suitable for optical measuring instruments and detecting systems to select spectrum lines or laser wavelengths within a spectral range between 400 nm and 1000 nm.

### Durability:

Temperature: DIN 58390 part 2 - 10.03 and 11.02

Humidity: DIN 58390 part 2 - 16.01

### Substrate material:

The filter is assembled from several cemented glass slides. Preferred diameters are 16 mm, 18 mm, 25 mm, 32 mm, and 50 mm. The thickness is less than 7 mm.

### Special features:

The temperature dependence of CWL  $\lambda_0$  is  $\Delta\lambda_0(T) = (T - 22) \times 0.02 \text{ nm}$  (T measured in °C).

Other specifications on request.

### Issue:

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### Ordering code:

JENOFILT 601 (CWL/HBW)