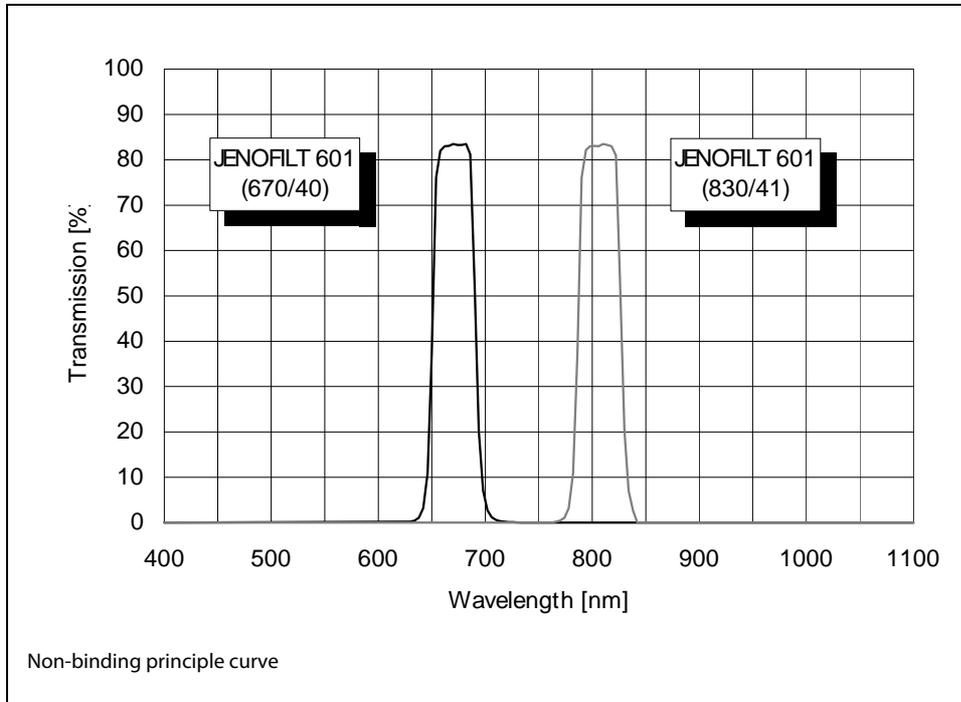


JENOFILT 601

Bandpass Filter for Laser Diodes



Bandpass Filter for VIS / NIR

Optical properties:

CWL [nm]	HBW [nm]	n_e
(670 ± 4)	(40 ± 5)	1.9
(790 ± 4)	(49 ± 5)	1.9
(830 ± 4)	(41 ± 5)	1.5
(904 ± 4)	(45 ± 5)	1.5

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

Blocking: $T < 0.1\%$ for $200 \text{ nm} \leq \lambda \leq 1100 \text{ nm}$

The incidence dependence of CWL λ_0 is

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

CWL is available between 650 nm and 1000 nm.
HBW changes accordingly to CWL.

Applications:

JENOFILT 601 is a high performance dielectric filter.

It is suitable for suppressing undesirable UV to NIR stray light to improve the signal to noise ratio in detecting or imaging optical systems which use laser diodes as light source.

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 cemented glass slides. The thickness is less than 6 mm. Preferred diameters are 12 mm, 16 mm, 18 mm, 25 mm, and 32 mm.

Special features:

The temperature dependence of CWL λ_0 is $\Delta\lambda_0(T) = (T - 22) \times 0.02 \text{ nm}$ (T measured in $^\circ\text{C}$).
Other specifications on request.

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JENOFILT 601 (CWL/HBW)