

Data Sheet

CVSWP 320-850 (LF102474)

Continuously variable short-wavelength-pass filter with $\lambda_{50\%}$ travelling from ≤ 320 nm to ≥ 850 nm within ≤ 58 mm

OD2 blocking reached within $0.02 * \lambda_{50\%}$

Near-edge average transmittance

| T_{avg} | $\lambda_{50\%}$ | Interval start | Interval end |
|-------------|------------------|-------------------------|-------------------------|
| $\geq 42\%$ | 320 nm – 370 nm | $0.96 * \lambda_{50\%}$ | $0.99 * \lambda_{50\%}$ |
| $\geq 65\%$ | 370 nm – 430 nm | $0.95 * \lambda_{50\%}$ | $0.99 * \lambda_{50\%}$ |
| $\geq 85\%$ | 430 nm – 520 nm | $0.95 * \lambda_{50\%}$ | $0.99 * \lambda_{50\%}$ |
| $\geq 90\%$ | 520 nm – 850 nm | $0.95 * \lambda_{50\%}$ | $0.99 * \lambda_{50\%}$ |

Broad-band minimum transmittance

| T_{min} | $\lambda_{50\%}$ | Interval start | Interval end |
|-------------|------------------|---------------------------|-------------------------|
| $\geq 40\%$ | 320 nm – 330 nm | 305 nm | $0.98 * \lambda_{50\%}$ |
| $\geq 60\%$ | 330 nm – 370 nm | $0.94 * \lambda_{50\%}$ | $0.98 * \lambda_{50\%}$ |
| $\geq 70\%$ | 370 nm – 430 nm | $0.88 * \lambda_{50\%}$ | $0.98 * \lambda_{50\%}$ |
| $\geq 80\%$ | 430 nm – 520 nm | $0.83 * \lambda_{50\%}$ | $0.98 * \lambda_{50\%}$ |
| $\geq 87\%$ | 520 nm – 850 nm | $\lambda_{50\%} - 100$ nm | $0.98 * \lambda_{50\%}$ |

Broad-band blocking (maximum transmittance)

| T_{max} | $\lambda_{50\%}$ | Interval start | Interval end |
|--------------|------------------|-------------------------|----------------------------------|
| $\leq 1\%$ | 320 nm – 850 nm | $1.02 * \lambda_{50\%}$ | $1.45 * \lambda_{50\%} + 220$ nm |
| $\leq 0.2\%$ | 320 nm – 850 nm | $1.03 * \lambda_{50\%}$ | $1.4 * \lambda_{50\%} + 220$ nm |

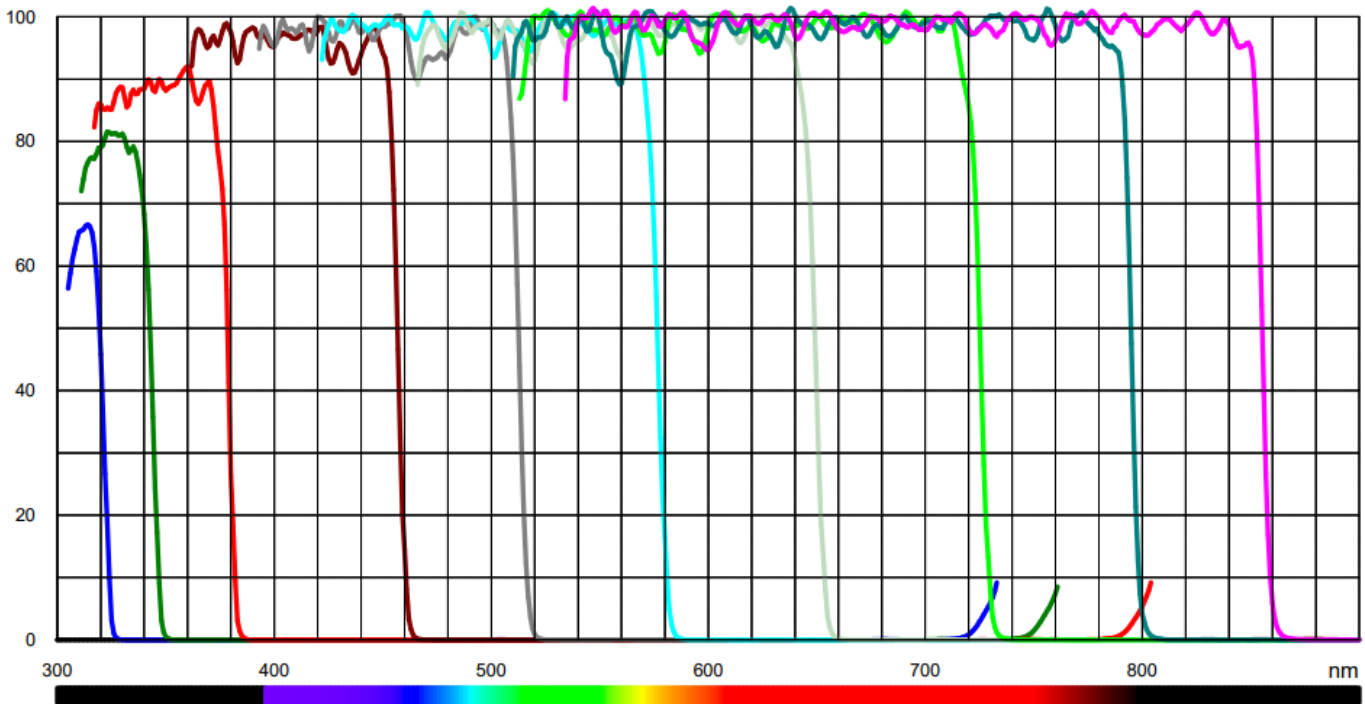
Broad-band blocking (average transmittance)

| T_{avg} | $\lambda_{50\%}$ | Interval start | Interval end |
|---------------|------------------|-------------------------|---------------------------------|
| $\leq 0.02\%$ | 395 nm – 815 nm | $1.03 * \lambda_{50\%}$ | $1.4 * \lambda_{50\%} + 220$ nm |

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Typical transmission of CVSWP 320-850 (LF102474)



Typical blocking of CVSWP 320-850 (LF102474)

