

Data Sheet



CVSWP 386 – 1005 nm (LF104555)

Continuously variable short-wavelength-pass filter with $\lambda_{50\%}$ travelling from ≤ 386 nm to ≥ 1005 nm within ≤ 105 nm

Broad-band average transmittance

T_{avg}	$\lambda_{50\%}$	Interval start	Interval end
$\geq 85\%$	386 nm – 400 nm	$\lambda_{50\%} - 80$ nm or 382 nm (whichever is longest)	$\lambda_{50\%} - 4$ nm
$\geq 89\%$	400 nm – 450 nm	$\lambda_{50\%} - 80$ nm or 382 nm (whichever is longest)	$\lambda_{50\%} - 4$ nm
$\geq 85\%$	450 nm – 1005 nm	$\lambda_{50\%} - 80$ nm or 382 nm (whichever is longest)	$\lambda_{50\%} - 4$ nm

Broad-band minimum transmittance

T_{min}	$\lambda_{50\%}$	Interval start	Interval end
$\geq 83\%$	386 nm – 450 nm	$\lambda_{50\%} - 80$ nm or 382 nm (whichever is longest)	$\lambda_{50\%} - 4$ nm
$\geq 86.6\%$	450 nm – 1005 nm	$\lambda_{50\%} - 80$ nm or 382 nm (whichever is longest)	$\lambda_{50\%} - 4$ nm

Near-edge minimum transmittance

T_{min}	$\lambda_{50\%}$	Interval start	Interval end
$\geq 75\%$	386 nm – 400 nm	$0.98 * \lambda_{50\%}$	$0.995 * \lambda_{50\%}$
$\geq 79\%$	400 nm – 450 nm	$0.98 * \lambda_{50\%}$	$0.995 * \lambda_{50\%}$
$\geq 83\%$	450 nm – 1005 nm	$0.98 * \lambda_{50\%}$	$0.995 * \lambda_{50\%}$

Broad-band blocking (maximum transmittance)

T_{max}	$\lambda_{50\%}$	Interval start	Interval end
$\leq 0.01\%$	386 nm – 1005 nm	$1.025 * \lambda_{50\%} + 3$ nm	$1.109 * \lambda_{50\%} + 176$ nm or 1065 nm (whichever is shortest)
$\leq 1\%$	386 nm – 1005 nm	$1.015 * \lambda_{50\%} + 3$ nm	$1.109 * \lambda_{50\%} + 176$ nm or 1065 nm (whichever is shortest)
$\leq 10\%$	386 nm – 1005 nm	$1.010 * \lambda_{50\%} + 3$ nm	$1.109 * \lambda_{50\%} + 176$ nm or 1065 nm (whichever is shortest)

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