

Data Sheet



3G LVLWP (LF102475)

Third generation Linear Variable Long Wavelength Pass Filter

$\lambda_{50\%}$ travelling from ≤ 310 nm to ≥ 850 nm within ≤ 58 mm

OD2 blocking reached within $0.01 * \lambda_{50\%}$

Steeper edge and broader blocking range than 1G LVLWP

Near-edge average transmittance

T_{avg}	$\lambda_{50\%}$	Interval start	Interval end
$\geq 85\%$	310 nm – 420 nm	$1.01 * \lambda_{50\%}$	$1.1 * \lambda_{50\%}$
$\geq 92\%$	420 nm – 850 nm	$1.01 * \lambda_{50\%}$	$1.1 * \lambda_{50\%}$

Broad-band minimum transmittance

T_{min}	$\lambda_{50\%}$	Interval start	Interval end
$\geq 80\%$	310 nm – 420 nm	$1.02 * \lambda_{50\%}$	$\lambda_{50\%} + 120$ nm
$\geq 90\%$	420 nm – 850 nm	$1.02 * \lambda_{50\%}$	$\lambda_{50\%} + 120$ nm

Broad-band blocking (maximum transmittance)

T_{max}	$\lambda_{50\%}$	Interval start	Interval end
$\leq 1\%$	310 nm – 850 nm	190 nm	$0.99 * \lambda_{50\%}$

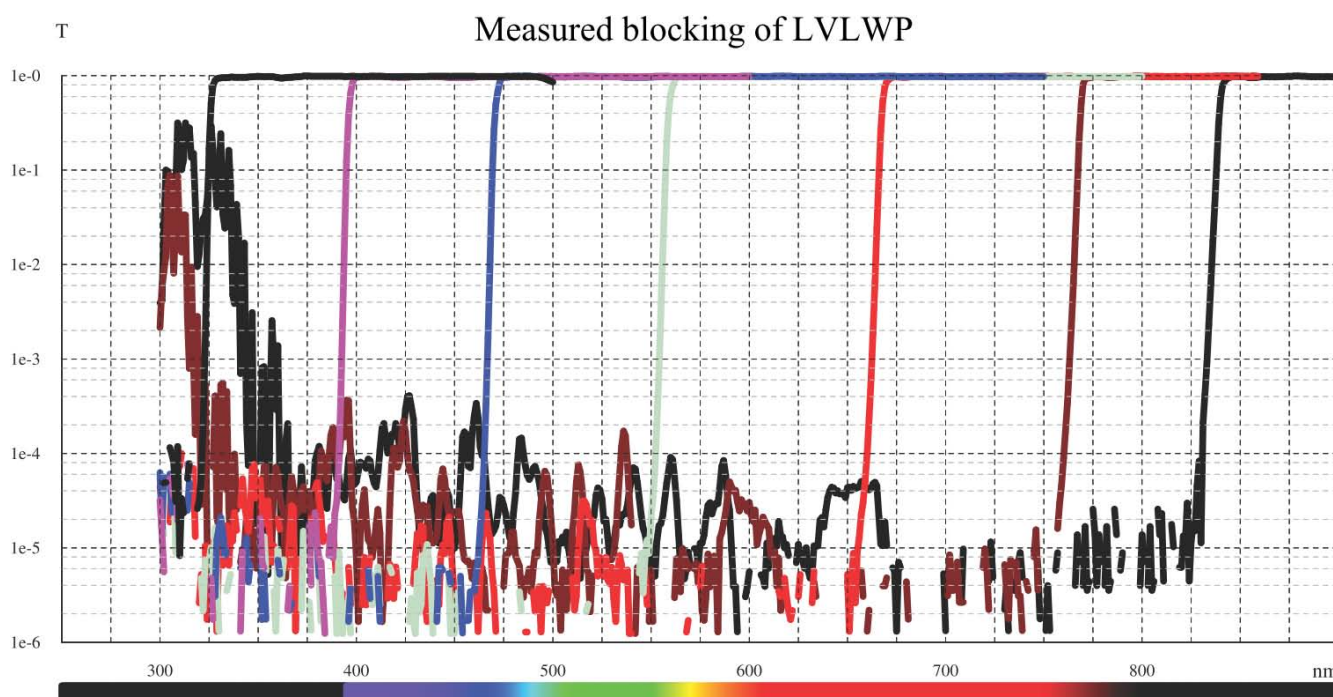
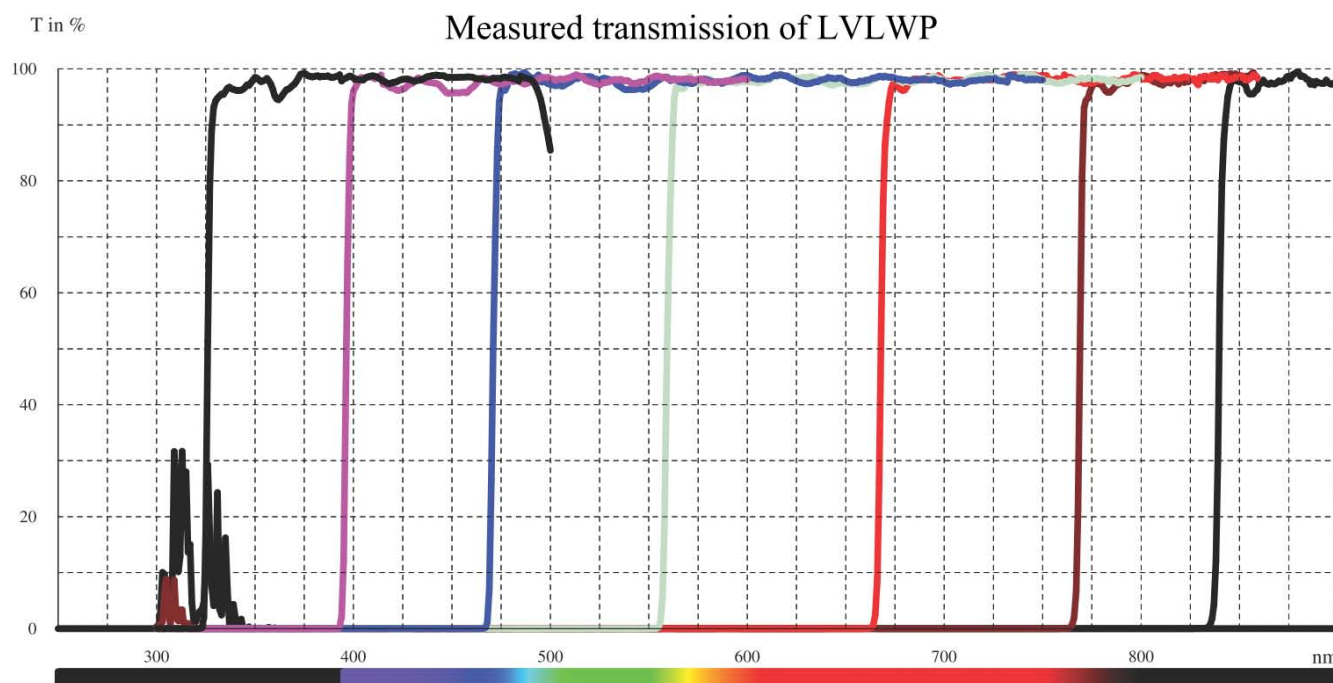
T_{max}	$\lambda_{50\%}$	Interval start	Interval end
$\leq 0.1\%$	310 nm – 850 nm	190 nm	$0.97 * \lambda_{50\%}$

Broad-band blocking (average transmittance)

T_{avg}	$\lambda_{50\%}$	Interval start	Interval end
$\leq 0.05\%$	310 nm – 850 nm	190 nm	$0.97 * \lambda_{50\%}$

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