

## Spectral Characteristics and Specifications 2G LVLWP, LF102374

Cut-on Wavelength (nm)	Measured with spot size	0.2 mm x 8 mm	Wavelength Range (nm)
	AOI = 0°		
300 – 420	Avg. Transmission (%)	>92 %	40
	Tavg. Blocking <sup>1</sup>	<1E-4	300 – $\lambda_a$ <sup>4</sup>
	Tmax. Blocking <sup>1</sup>	<5E-4	300 – $\lambda_a$ <sup>4</sup>
	Steepness <sup>2</sup>	<0.89 %	
	Nonlinearity of linear dispersion <sup>3</sup>	<0.028	
420 – 700	Avg. Transmission (%)	>92 %	40
	Tavg. Blocking <sup>1</sup>	<1E-4	300 – $\lambda_a$ <sup>4</sup>
	Tmax. Blocking <sup>1</sup>	<5E-4	300 – $\lambda_a$ <sup>4</sup>
	Steepness <sup>2</sup>	<0.86 %	
	Nonlinearity of linear dispersion <sup>3</sup>	<0.025	
700 – 850	Avg. Transmission (%)	>92 %	40
	Tavg. Blocking <sup>1</sup>	<2E-4	430 – $\lambda_a$ <sup>4</sup>
	Tmax. Blocking <sup>1</sup>	<8E-4	350 – $\lambda_a$ <sup>4</sup>
	Steepness <sup>2</sup>	<0.49 %	
	Nonlinearity of linear dispersion <sup>3</sup>	<0.015	

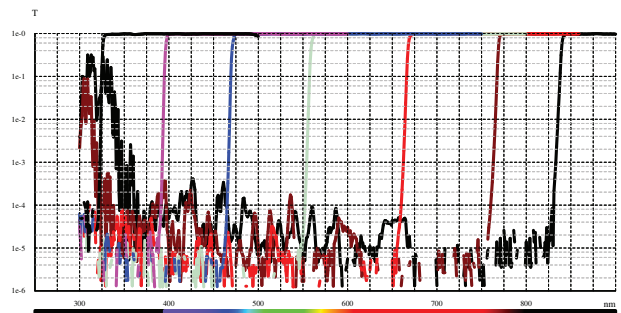
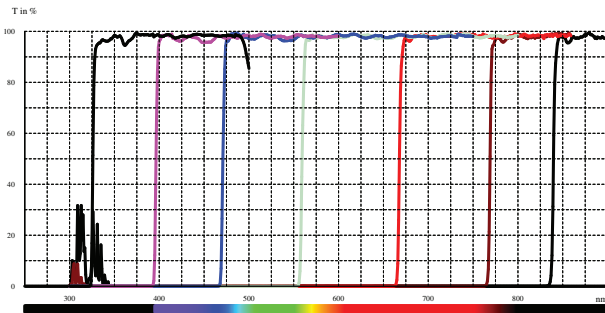
1. Tavg. and Tmax blocking are defined 20 nm from the cut-on wavelength.

2. The steepness is defined as  $(\lambda_{T=5\%} - \lambda_{T=80\%}) / (\lambda_{T=50\%}) \cdot 100\%$

3. Describes the deviation from linearity of the linear dispersion:  $\frac{|\lambda_{fit} - \lambda_{measured}|}{\lambda_{fit}} \cdot 100\%$ ,  $\lambda_{fit}$  = Linear regression of measurement data points with 5 mm spacing

4.  $\lambda_a = \lambda_{T=50\%} - 20$  nm

### Measured transmission in 2G Linear Variable Long Wavelength Pass Filter [300 – 850] nm



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