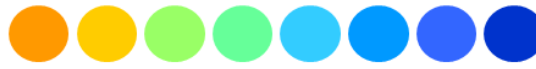




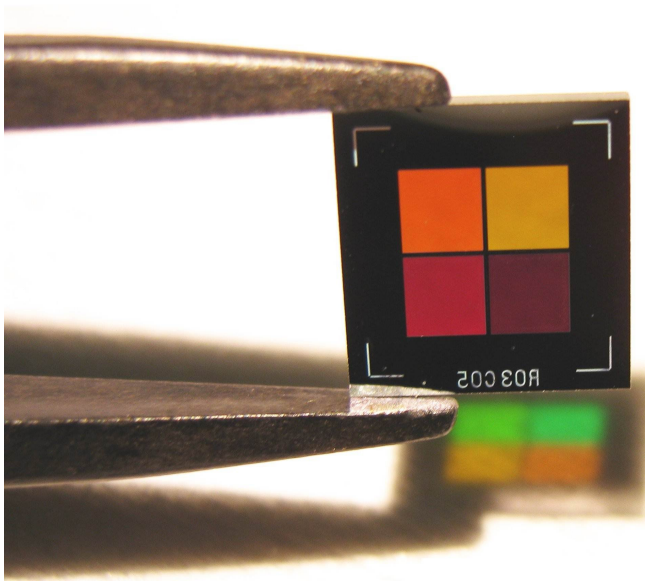
# COLOR SHADES



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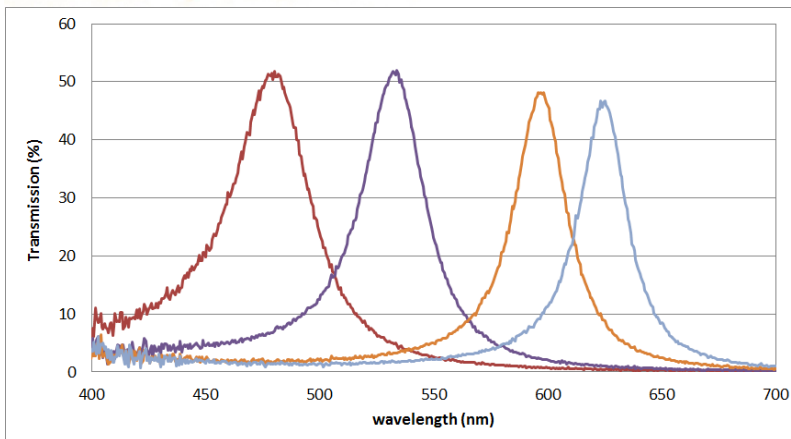
## COLOR SHADES VIS-4

Multi band-pass filter for the visible range (4 channels)



SILIOS Technologies proposes in OEM an off the shelf 4 band pass filter optical chip which fits to 1D CMOS sensor and can replace a simple RGB sensor in a client's colorimeter.

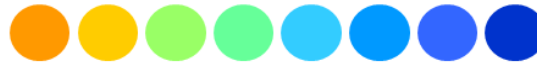
This visible range optical chip technology can be customized to fit any 1D or 2D sensor geometry and allow a customer to develop its own colorimeter or multi-spectral imaging system in the visible range (custom Bayer matrix with 2x2, 3x3 or 4x4 colors and also 1x16 wavelengths). It can be adapted to any application requiring an analysis in the visible range.



Example of spectral transmission of a *COLOR SHADES VIS-4* chip.



# COLOR SHADES

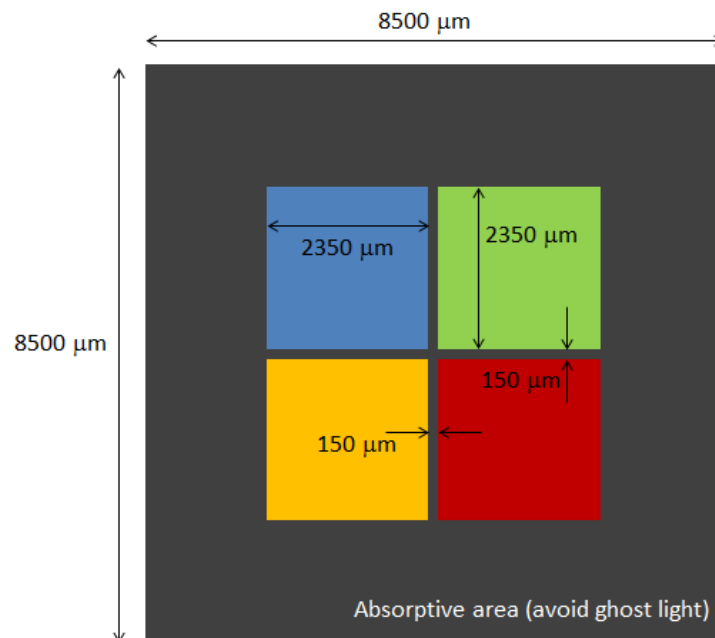


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<b>Physical specifications</b>	
Size	8.5x8.5mm <sup>2</sup> +/- 0.05 mm
Thickness	1 mm +/- 0.1 mm

<b>Spectral specifications</b>	
Spectral Range	400 – 700 nm
Number of Channels	4
Channel Bandwidth (FWHM)	25 - 40 nm
Centering accuracy	+/- 5 nm
Transmission	>40%

## Geometrical characteristics :



## Supply :

Each filter is supplied with a test report indicating for each channel :

- Its centering
- Its transmission
- Its bandwidth (FWHM)

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