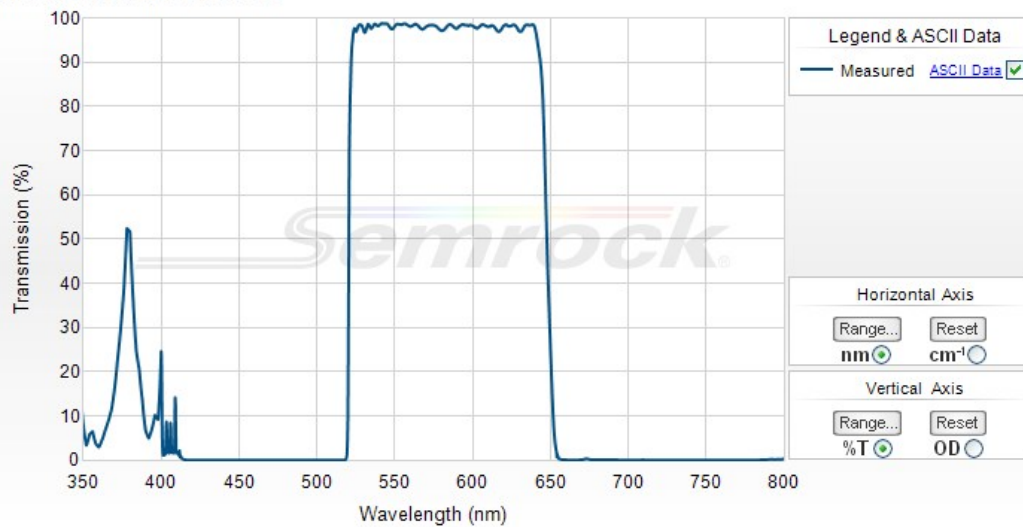


514 nm Yokogawa emission filter

Part Number: Em01-R514-25



Semrock
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Semrock, Inc

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(within US and Canada)

Your filter spectrum may differ slightly from the typical spectrum above, but is certified to meet the optical specifications noted below.



514 nm Yokogawa emission filter

Combining superior performance with exceptional durability, these filters are specifically optimized for use with all Yokogawa CSU spinning-disk scan head system configurations.

Part Number	Size	Price ¹	Stock Status
Em01-R514-25	25 mm x 3.5 mm	\$355	In Stock

Don't see a size you need? Contact us for custom sizing – available in less than a week (sizing fee applies).

1) US domestic pricing only. If you are ordering from outside the US, please contact your nearest [regional distributor](#) for the correct list price.

Optical Specifications

Specification	Value
Transmission Band 1	T _{avg} > 90% 528 – 650 nm
Center Wavelength 1	589 nm
Guaranteed Minimum Bandwidth 1	122 nm
FWHM Bandwidth 1 (nominal)	111.3 nm
Blocking Band 1	OD _{dabs} > 6 514 nm
Blocking Band 3	OD _{dabs} > 2 665 – 750 nm

General Filter Specifications

Specification	Value
Angle of Incidence	0 ± 5 degrees
Cone Half-angle	7 degrees
Optical Damage Rating	Testing has proven to show no signs of degradation when exposed to at least 6.0 W of power from an unfiltered xenon arc lamp over a 25 mm diameter (corresponding to 1.2 W/cm ²) for over 500 hrs.
Effective Index	1.76

Physical Filter Specifications (applies to standard sized parts; contact us regarding other sizes)

Specification	Value
Transverse Dimensions (Diameter)	25 mm
Transverse Tolerance (mounted)	+ 0.0 / - 0.1 mm
Filter Thickness (Mounted)	3.5 mm
Filter Thickness Tolerance (Mounted)	± 0.1 mm
Clear Aperture	≥ 22 mm
Scratch-Dig	60-40
Substrate Thickness (unmounted)	2.0 mm
Substrate Thickness Tolerance (unmounted)	± 0.1 mm

