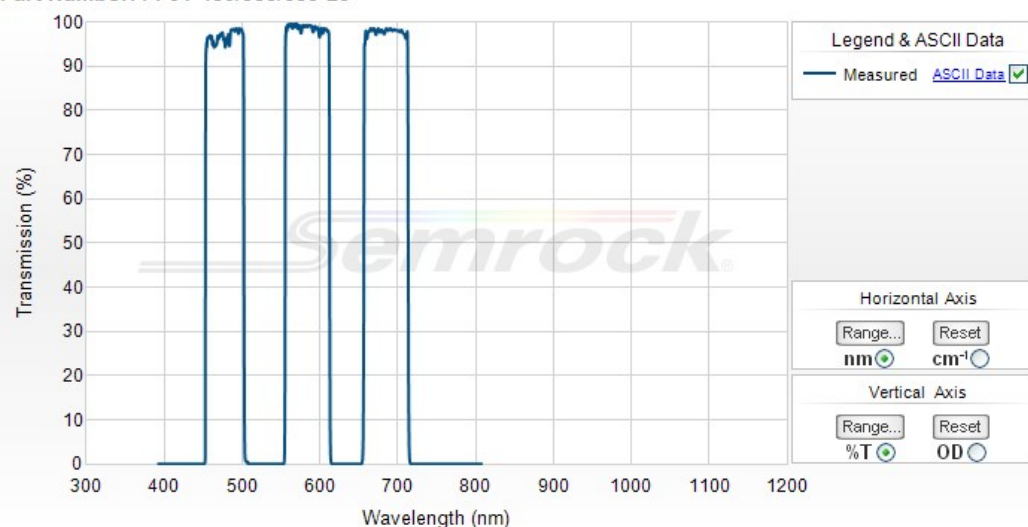


480/585/685 nm BrightLine® triple-band bandpass filter **Item has been Discontinued**

Part Number: FF01-480/585/685-25

**Semrock, Inc**3625 Buffalo Road, Suite 6
Rochester, New York 14624Main Phone: +1 585.594.7050 (worldwide)
Toll Free Phone: 866.736.7625 (866-SEMROCK)
(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.

**480/585/685 nm BrightLine® triple-band bandpass filter**

Individual multiband fluorescence bandpass filters that utilize Semrock's patented single-substrate construction. These filters have extremely high transmission, steep and well-defined edges, and outstanding blocking between the passbands. All thin-film, hard-coated construction for unsurpassed performance and reliability.

Part Number	Size	Price ¹	Stock Status
FF01-480/585/685-25	25 mm x 3.5 mm	\$435	Discontinued

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% 460 – 500 nm
Center Wavelength 1	480 nm
Guaranteed Minimum Bandwidth 1	40 nm
FWHM Bandwidth 1 (nominal)	49.9 nm
Transmission Band 2	T _{avg} > 90% 560 – 610 nm
Center Wavelength 2	585 nm
Guaranteed Minimum Bandwidth 2	50 nm
FWHM Bandwidth 2 (nominal)	57.6 nm
Transmission Band 3	T _{avg} > 90% 660 – 710 nm
Center Wavelength 3	685 nm
Guaranteed Minimum Bandwidth 3	50 nm
FWHM Bandwidth 3 (nominal)	57.2 nm
Blocking Band 1	Nominal blocking data is represented by the ASCII spectrum

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	1.82

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
Orientation	Arrow on ring indicates preferred direction of propagation of light