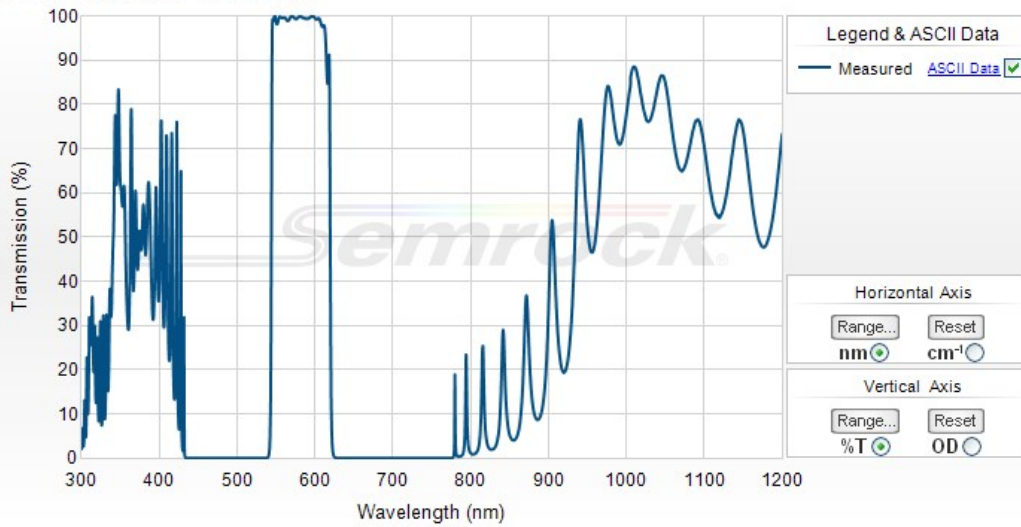


## 580/60 nm BrightLine® single-band bandpass filter

Part Number: FF01-580/60-25-D



### Semrock, Inc

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Rochester, New York 14624

Main 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.



### 580/60 nm BrightLine® single-band bandpass filter

Individual fluorescence bandpass filters that have been optimized for use in a variety of fluorescence instruments. All thin-film, hard-coated construction for unsurpassed performance and reliability.

Part Number	Size	Price <sup>1</sup>	Stock Status
FF01-580/60-25-D	25 mm x 4.0 mm (unmounted)	\$355	In Stock

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

<sup>1</sup> 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	Tavg > 90% 550 – 610 nm
Center Wavelength 1	580 nm
Guaranteed Minimum Bandwidth 1	60 nm
FWHM Bandwidth 1 (nominal)	72.9 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 <sup>2</sup> ) for over 500 hrs.
Effective Index	1.77

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

Specification	Value
Transverse Dimensions (Diameter)	25 mm
Transverse Tolerance (unmounted)	± 0.1 mm
Filter Thickness (unmounted)	4. mm
Filter Thickness Tolerance (unmounted)	± 0.1 mm
Clear Aperture	≥ 22 mm
Scratch-Dig	60-40
Substrate Thickness (unmounted)	4.0 mm
Substrate Thickness Tolerance (unmounted)	± 0.1 mm

