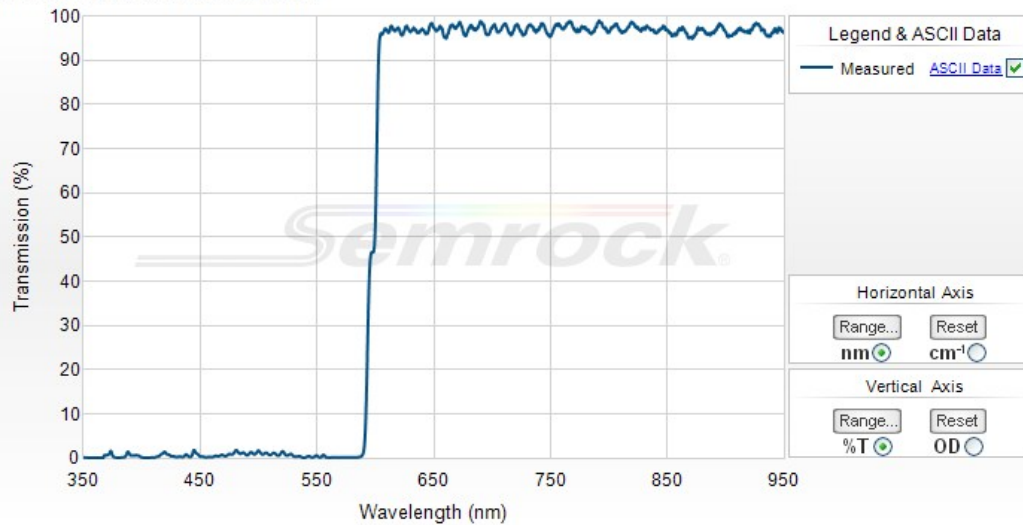


596 nm edge BrightLine® single-edge dichroic beamsplitter

Part Number: FF596-Di01-25x36



Semrock, Inc

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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.



596 nm edge BrightLine® single-edge dichroic beamsplitter

Semrock offers a wide range of polarization-insensitive dichroic beamsplitters that exhibit steep edges with very high and flat reflection and transmission bands. Filters are available in versions optimized for wideband light sources, laser sources, multiphoton systems, Raman spectroscopy, image splitting, and laser beam combining and separating.

| Part Number | Size | Price ¹ | Stock Status |
|---------------------|---|--------------------|--------------|
| FF596-Di01-25x36 | 25.2 mm x 35.6 mm x 1.1 mm (unmounted) | \$335 | 2nd Day Ship |
| FF596-Di01-22x29 | 22.0 mm x 29.0 mm x 1.1 mm (unmounted) | \$335 | 2nd Day Ship |
| FF596-Di01-32x44-FX | 32 x 44 x 1.1 mm (corners cut for OFX cube) (unmounted) | \$526 | 2nd Day Ship |

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 |
|---------------------|-----------------------------|
| Reflection Band 1 | Ravg > 98% 350 – 588.6 nm |
| Reflection Band 2 | Ravg > 98% 567.4 – 588.6 nm |
| Edge Wavelength 1 | 596 nm |
| Transmission Band 1 | Tavg > 93% 603 – 950 nm |
| Transmission Band 2 | Tavg > 93% 603 – 800 nm |

General Filter Specifications

| Specification | Value |
|-----------------------|--|
| Angle of Incidence | 45 ± 1.5 degrees |
| Cone Half-angle | 2 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. |
| Flatness | Standard |
| Steepness | Standard |
| Effective Index | 1.77 |

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

| Specification | Value |
|-------------------------------|-------------------|
| Transverse Dimensions (L x W) | 25.2 mm x 35.6 mm |
| Transverse Tolerance | ± 0.1 mm |
| Filter Thickness (unmounted) | 1.05 mm |

| | |
|---|--|
| Filter Thickness (unmounted) | 1.05 mm |
| Filter Thickness Tolerance (unmounted) | ± 0.05 mm |
| Clear Aperture | ≥ 80% |
| Scratch-Dig | 60-40 |
| Substrate Thickness (unmounted) | 1.05 mm |
| Substrate Thickness Tolerance (unmounted) | ± 0.05 mm |
| Orientation | Reflective surface marked with part number - Orient in direction of incoming light |