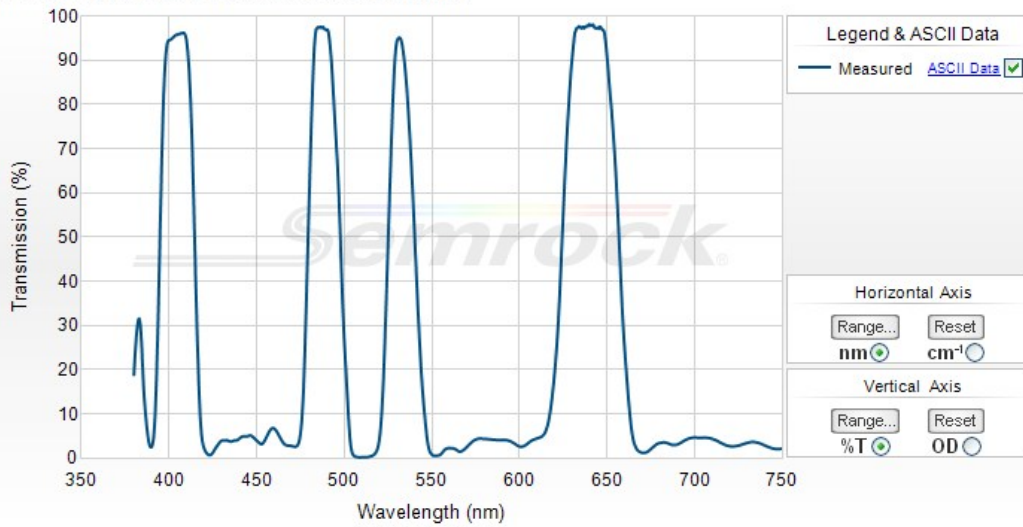


**405/488/532/647 nm Yokogawa dichroic beamsplitter**

**Part Number: Di01-T405/488/532/647-13x15x0.5**



**Semrock, Inc**

3625 Buffalo Road, Suite 6  
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.



**405/488/532/647 nm Yokogawa dichroic beamsplitter**

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 <sup>1</sup>	Stock Status
Di01-T405/488/532/647-13x15x0.5	13 mm x 15 mm x 0.5 mm (unmounted)	\$695	In Stock

This part is not available for custom sizing.

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	Tavg > 80% 400 – 410 nm
Reflection Band 1	Ravg > 95% 442 – 473 nm
Edge Wavelength 1	479 nm
Transmission Band 2	Tavg > 80% 486 – 491 nm
Reflection Band 2	Ravg > 95% 503.5 – 517 nm
Edge Wavelength 2	525 nm
Transmission Band 3	Tavg > 80% 531 – 533 nm
Reflection Band 3	Ravg > 95% 548 – 610 nm
Edge Wavelength 3	624 nm
Transmission Band 4	Tavg > 80% 633 – 647 nm
Reflection Band 4	Ravg > 95% 666 – 750 nm

**General Filter Specifications**

Specification	Value
Laser Wavelength 1	400 – 410 nm
Laser Wavelength 2	486 – 491 nm
Laser Wavelength 3	531 – 533 nm
Laser Wavelength 4	633 – 647 nm
Angle of Incidence	45 ± 1.5 degrees
Cone Half-angle	0.5 degrees
Optical Damage Rating	Not Tested
Flatness	<a href="#">Laser Flat</a>
Steepness	Steep
Effective Index	1.84

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

Specification	Value
Transverse Dimensions (L x W)	13.0 mm x 15.0 mm
Transverse Tolerance	+ 0.0 / - 0.2 mm
Filter Thickness (unmounted)	0.5 mm
Filter Thickness Tolerance (unmounted)	± 0.02 mm
Clear Aperture	≥ 80% (elliptical)
Scratch-Dig	40-20
Substrate Thickness (unmounted)	0.5 mm
Substrate Thickness Tolerance (unmounted)	± 0.02 mm
Orientation	Unmarked (reflective coating towards sample)