BrightLine[®] 2P/3P Multiphoton Short Pass Dichroic Beamsplitter

Product Data Sheet





Dual-color 3P Imaging for Green & Red Fluorophores

Optimized Reflection for 1300 nm & 1700 nm Excitation

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Controlled Reflected Group

Delay Dispersion (GDD)





Low RWE: N/3 on 3 mm,

2.5λ on 1 mm



Learn more at www.semrock.com/3p

The FF835-SDi01 short pass dichroic beamsplitter is the first filter optimized for 3-photon laser excitation in a standard epi-fluorescence microscope configuration with reflected excitation and transmitted emission.

- Very high and flat reflection and transmission bands maximize 2-photon (Red) and 3-photon (Green & Red) imaging performance
- Low reflected GDD to minimize temporal pulse broadening of reflected 1300 nm and 1700 nm laser pulses
- Ideal solution for femtosecond pulsed lasers such as Ti:Sapphire (and OPO or OPA coupled) neodymium- and ytterbium-doped fiber and glass lasers used for deep tissue imaging with improved contrast
- 2.5λ P-V RWE on 1 mm, optimized for reflecting laser beams up to 6 mm in diameter while minimizing RWE
- > N3 P-V RWE on 3 mm, optimized for reflecting laser beams up to 16.7 mm in diameter while minimizing RWE



For additional details visit: www.semrock.com/3p





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For ordering, technical support, and contact information please visit www.semrock.com

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