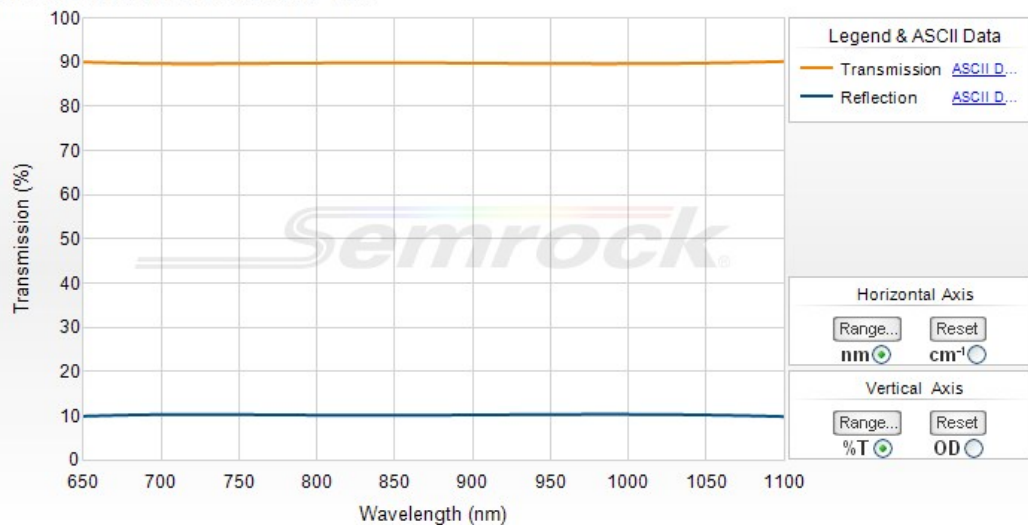


Semrock® PulseLine™ Femtosecond Beamsplitter

Part Number: FS01-BSTiS-1090P-25.4



Semrock, Inc

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(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.



Semrock® PulseLine™ Femtosecond Beamsplitter

Semrock's PulseLine Femtosecond Beamsplitters offer a consistent transmission & reflectivity splitting ratio in addition to a controlled group delay dispersion (GDD) profile optimized for ~40 - 120 fs Ti:Sapphire lasers.

Part Number	Size	Price ¹	Stock Status
FS01-BSTiS-1090P-25.4	25.4 mm x 3.0 mm (unmounted)	\$355	2nd Day Ship

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
Reflection Band 1 (p-pol)	$R_{avg, p-pol} > 10\% \pm 3\%$ 650 – 1100 nm
Transmission Band 1 (p-pol)	$T_{avg, p-pol} > 90\% \pm 3\%$ 650 – 1100 nm
Group Delay Dispersion	0 ± 10 fs ² 650-1100 nm

General Filter Specifications

Specification	Value
Group Delay Dispersion Metrology	GDD Metrology Details
Angle of Incidence	45.0 ± 1.0 degrees
Optical Damage Rating	Pending
Flatness	0.1 waves/inch

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

Specification	Value
Transverse Dimensions (Diameter)	25.4 mm
Transverse Tolerance	+ 0.0 / - 0.1 mm
Filter Thickness (unmounted)	3.0 mm
Filter Thickness Tolerance (unmounted)	+ 0.0 / - 0.1 mm
Clear Aperture	$\geq 85\%$
Scratch-Dig	20-10
Substrate Thickness (Unmounted)	3.0 mm
Substrate Thickness Tolerance (Unmounted)	+ 0.0 / - 0.1 mm
Orientation	Arrow denotes beamsplitter coating

