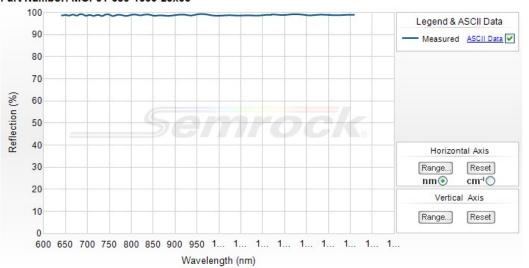
650 - 1300 nm Semrock® General Purpose Mirror

Part Number: MGP01-650-1300-25x36





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.



650 - 1300 nm Semrock® General Purpose Mirror

Semrock's General Purpose Mirrors offer high reflectivity with an "Imaging flat" reflection.

Part Number	Size	Price1	Stock Status
MGP01-650-1300-25x36	25.2 mm x 35.6 mm x 1.1 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).

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% 650 – 1300 nm	
Reflection Band 1 (s-pol)	Ravg > 99.5% 650 – 1300 nm	
Reflection Band 1 (p-pol)	Ravg > 96% 650 - 1300 nm	
Angle of Incidence	45.0 ± 1.5 degrees	

General Filter Specifications

Specification	Value	
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/cm²) for over 500 hrs.	
Pulse Dispersion	This mirror will not introduce appreciable pulse broadening for most laser pulses that are > 1 picosecond; however pulse distortion is likely for significantly shorter laser pulses, including femtosecond pulses.	
Flatness	Imaging Flat	

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 Tolerance (unmounted)	± 0.05 mm
Clear Aperture	≥ 80% (elliptical)
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

