

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	Price ¹	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/cm ²) 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

