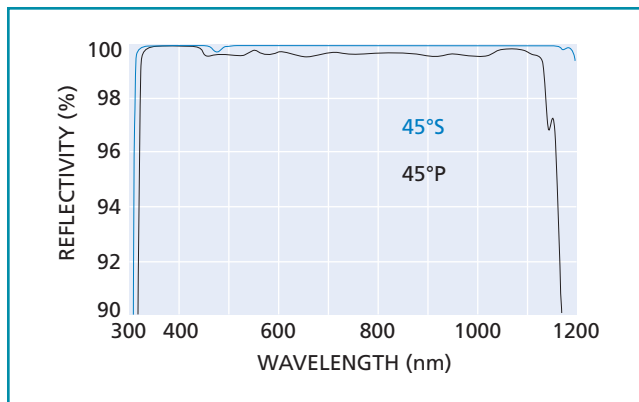


Semrock 350-1100 nm MaxMirror® Ultrabroadband Mirrors

The Semrock 350-1100 nm MaxMirror® Ultrabroadband Mirror High-performance laser mirror that covers an exceptionally broad range of wavelengths, designed to replace three or more conventional laser mirrors. Highly reflecting over near-UV, all visible, and near-IR wavelengths. MaxMirrors simultaneously reflect all states of polarization and all angles of incidence from 0-50° inclusive.

- Confocal microscopy
- Multiphoton fluorescence
- Near UV, all visible, and near IR
- $R_{\text{avg}} > 98.0\%$ for all angles up to 45°
- Nd:YAG fundamental and harmonic wavelengths



Reflectivity vs wavelength of BBDM broadband VIS/NIR mirror

SPECIFICATIONS: Semrock 350-1100 nm MaxMirror® Ultrabroadband Mirrors

Substrate Material	Fused Silica
S1 Surface Figure	0.1 waves/inch
S1 Surface Quality	10-5 scratch and dig
S2 Surface Quality	Commercial polish
Diameter Tolerance	+ 0/ - 0.10 mm
Thickness Tolerance	± 0.20 mm
Coating Technology	Sputtered
Adhesion and Durability	Per MIL-C-675C. Insoluble in lab solvents.
Clear Aperture	≥90% of central diameter
Reflectivity	45° $R_{\text{avg}} > 99.0\%$ for unpolarized 0-45° $R_{\text{avg}} > 99.0\%$ for unpolarized
Damage Threshold	Pulsed 1 J/cm ² @ 355 nm (10 ns pulse width), 2 J/cm ² @ 532 nm (10 ns pulse width), 6 J/cm ² @ 1064 nm (10 ns pulse width)

*Pulse Dispersion: The MaxMirror will not introduce appreciable pulse broadening for most laser pulses that are > 1 picosecond
Pulse distortion is likely for significantly shorter laser pulses, including femtosecond pulses.*

From our Shelves to Your Lab –
Standard Products for Fast Delivery

Semrock 350-1100 nm MaxMirror® Ultrabroadband Mirrors

Wavelength (nm)	ϕ (mm)	t (mm)	PART NUMBER
350–1100	25.0	6.0	BBDM-PM-2506M-UV
350–1100	25.0	6.0	BBDM-PM-2506M-UV-10PACK
350–1100	25.4	6.0	BBDM-PM-1024-UV
350–1100	25.4	6.0	BBDM-PM-1024-UV-10PACK