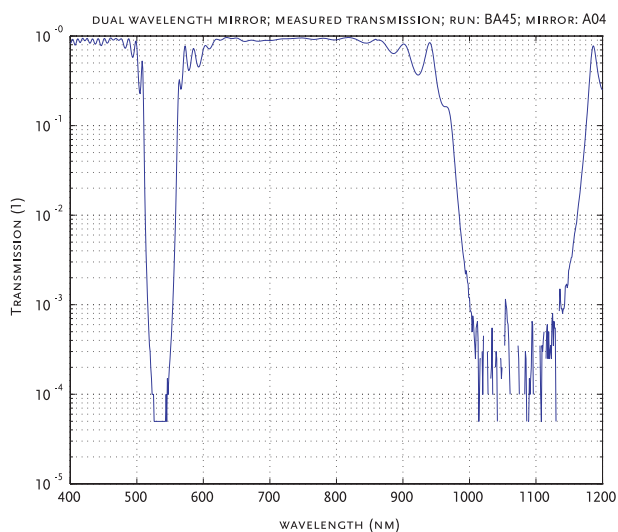
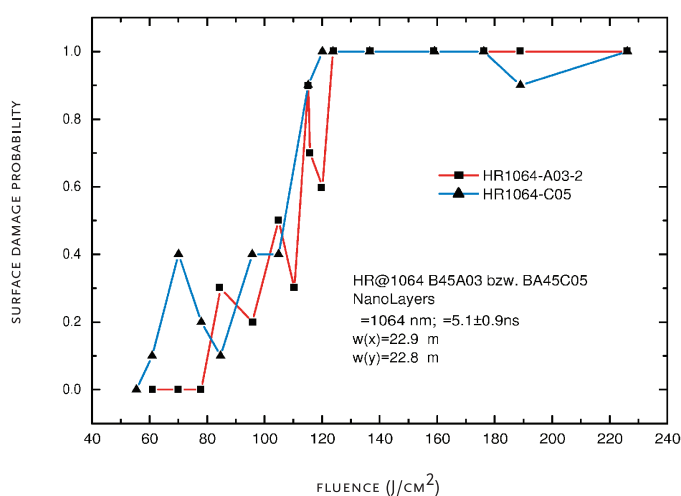


Mirrors for High Power Laser Technology

- ▶ NANEO | Flex is a mirror with a very high damage threshold. This mirror is ideally suited for high power applications. Usage within the resonator and for outside beam control is the typical field of application. Optical functions for two, three or more wavelengths expand the range of deployment. The ion beam sputtered hard films guarantee for an extreme long-term stability of the mirror properties.



Measured transmission spectrum of a dual wavelength mirror for frequency doubled Nd:YAG lasers at 1064 and 532 nm



Measured damage threshold according to ISO 11254, Part 1 (1-on-1); single shot at 1064 nm, pulse length 5 ns, normal incidence; extrapolation gives a damage threshold above 40 J/cm²

▶ Specifications

Reflectance : > 99.9%

AR : < 0.02%

Damage Threshold : > 40 J/cm² @ 5 ns according to ISO 11254, Part 1

▶ High Power Mirrors on Stock

Dual Band HR Mirror 1064 nm / 532 nm

Dual Band HR Mirror 1064 nm / 600 nm

HR Mirror 800 nm

Customer specific mirrors

Diameters up to 2", custom size