

Spectral Optics

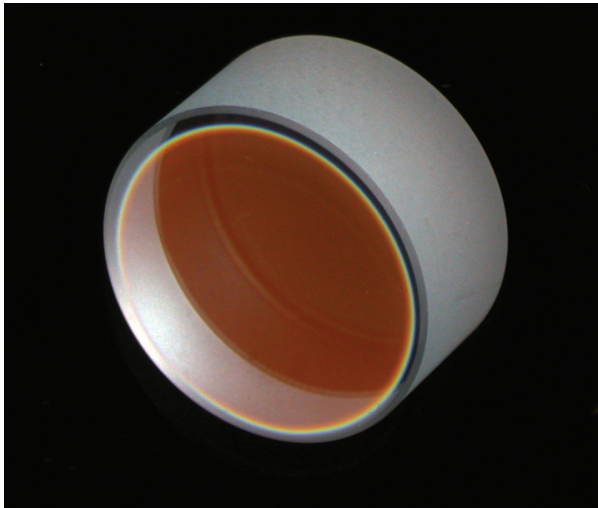
a division of
SPECTRAL PRODUCTS, LLC

*The new standard in optical coatings
and coated optical components*

HPM

High Power
Mirrors

STANDARD MIRROR

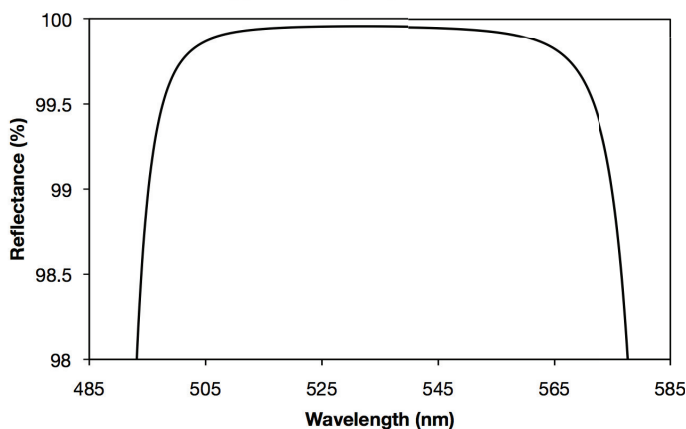


SPECIFICATIONS

- Reflectivity $\geq 99.5\%$ at design wavelength, normal incidence
- Flatness better than $\lambda/10$, 633nm
- S/D : 10/5
- C.A. $\geq 85\%$
- Wavelength range UV - NIR
- Adhesion meets MIL-C-675C
- Electron beam evaporated durable multilayer dielectric

The HPM high power mirrors have high reflectance coatings intended for laser beam steering applications. Damage threshold is high, typically 20 J / cm^2 for 20 nS pulses or 10 MW / cm^2 CW at 1064 nm. Fabricated on BK7 substrates using hard electron beam deposited dielectric materials, they have excellent resistance to abrasion, moisture and laboratory solvents. Although full performance is achieved on BK7, they can be fabricated with Fused Silica on customer request.

HPM 532 nm Normal Incidence



HPM 1064 nm 45° Incidence

