Spectral *Optics*

a division of SPECTRAL PRODUCTS, LLC

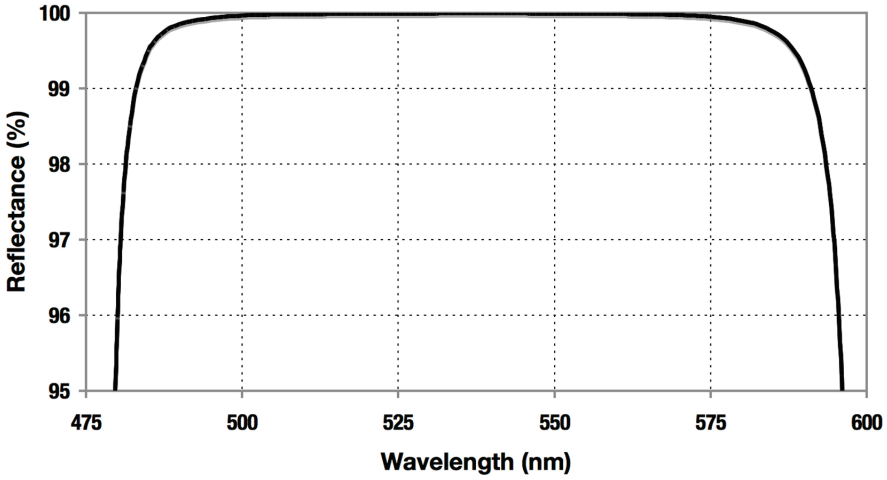
The new standard in optical coatings and coated optical components

LM

Medium Band
High Reflectance Laser Mirror
Coating

REFLECTANCE SPECIFICATIONS

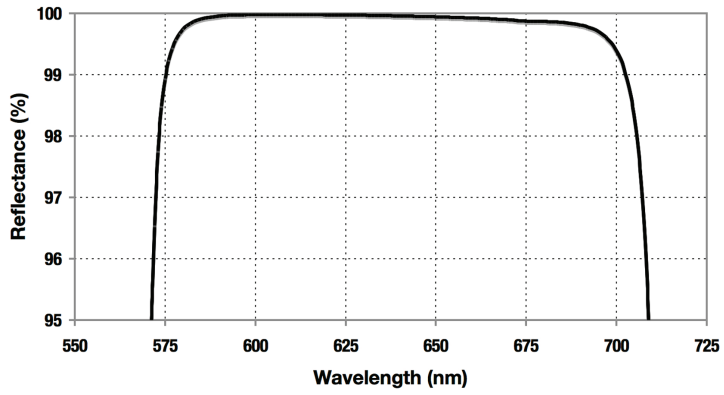
532 nm Doubled YAG Reflective Coating



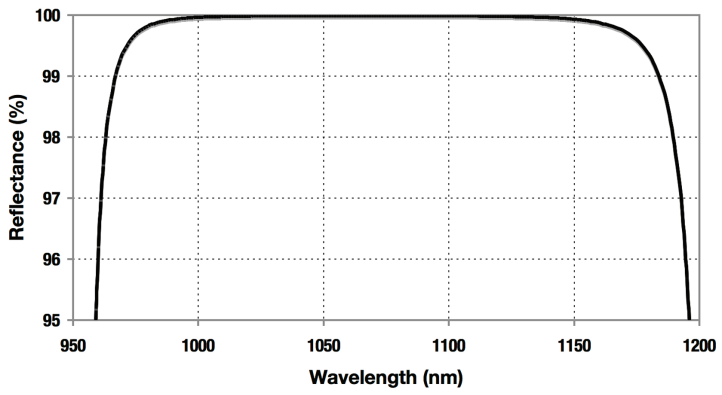
- Reflectivity ≥ 99 % at design wavelength
- Wavelength range UV - NIR
- Adhesion meets MIL-C-675C
- Electron beam evaporated durable multilayer dielectric

The LM medium band high reflectance coating is a wavelength-specific mirror coating intended for laser applications. Damage threshold is high, typically 20 J / cm^2 for 20 nS pulses or 10 MW / cm^2 CW at 1064 nm. It is fabricated using hard electron beam deposited dielectric materials, and so has excellent resistance to abrasion, moisture and laboratory solvents. It can be deployed on a large variety of substrates, including BK7 or Fused Silica , depending on the wavelength. For wavelengths shorter than 248 nm, consult mirror coating EX.

633 nm HeNe Reflective Coating



1064 nm YAG Reflective Coating



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