

LASER COATING

PRODUCT DESCRIPTION

HOYA CORPORATION USA - Optics Division has the coating expertise and design capability to manufacture some of your most challenging laser requirements. HOYA's in-house fabrication and extensive analytical instrumentation ensure prompt delivery and utmost quality.

- ▶ Electron Beam Evaporated Coatings: Laser damage threshold > 5J/cm², 1ns pulses, 50pps
- ▶ Coatings for UV-VIS-NIR Applications
- ▶ Available Substrates: BK-7, Dynasil and other substrates from HOYA's extensive Optical and Filter Glass Catalog
- ▶ Instrumentation: Interferometers, spectrometers, video comparators, AFM and SEM
- ▶ Surface Quality: 10/5 and better
- ▶ Precision Mechanical and Thickness Tolerances

AVAILABLE COATINGS

Available Coatings	Description
▶ AR: Anti-Reflection Coatings	R<0.2% typical. Customer specified wavelength and width
▶ Dual AR	R<0.2% for 532 and 1064nm typical
▶ HR: High Reflection Coatings	R>99.5% typical. Customer specified wavelength and angle of incidence
▶ Dual HR	R>99.5% for 532 and 1064nm typical
▶ PC: Polarizer Coating	20 - 40dB extinction ratio typical
▶ PR: Partial Reflectors	Designed to your specification
▶ Custom Coatings	Dichroic, Brewster and other coatings available upon request

Specifications subject to change without notice
REV. 05/03



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