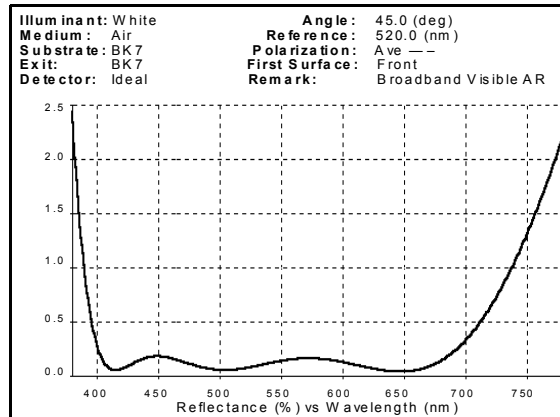
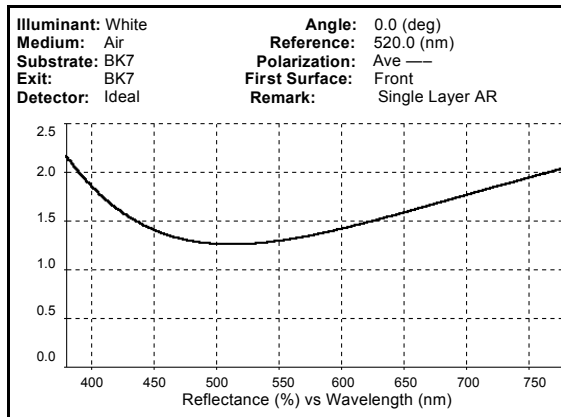


## SINGLE LAYER ANTIREFLECTION COATINGS

**Infinite Optics Antireflection coatings** are the solution to the problem of unwanted surface reflection from various glass and other optics. By increasing the transmitted visual energy in multi-element optical systems and maximizing resolution by maintaining a sharp, crisp image throughout. **Infinite Optics** hard dielectric coatings are extremely durable with high damage threshold and provide state-of-the-art performance when used in diverse environments.

- Is a hard dielectric Magnesium Fluoride which meets the durability requirements of MIL-C-675.
- This coating can be centered at any chosen wavelength between 250nm and 4000nm.
- The width of the effective band will vary as the wavelength range shifts from near UV to Visible to IR.
- Please note that while the coating will withstand diverse environments, some substrate types may fail this exposure.
- **Available in production quantities**



## BROADBAND ANTIREFLECTION COATINGS

**Infinite Optics Antireflection coatings** are the solution to the problem of unwanted surface reflection from various glass and other optics. By increasing the transmitted visual energy in multi-element optical systems and maximizing resolution by maintaining a sharp, crisp image throughout. **Infinite Optics** hard dielectric coatings are extremely durable with high damage threshold and provide state-of-the-art performance when used in diverse environments.

- Is the coating of choice when maximum transmission is desired over a wide bandwidth, which meets the durability requirements of MIL-C-675 and MIL-C-14806.
- This coating can be adapted for various types of glass and centered at any wavelength between 250nm and 2000nm.
- The effective bandwidth will vary as the wavelength range changes.
- **Available in production quantities**



Tel: 714-557-2299

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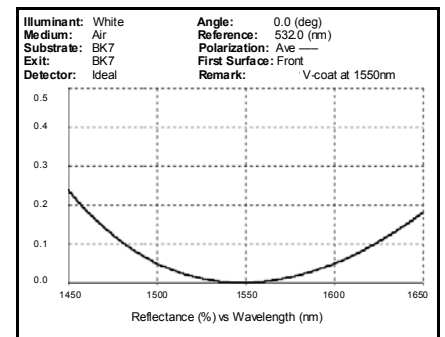
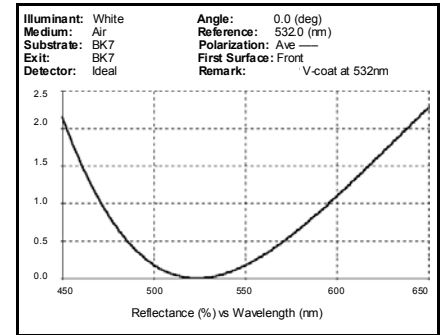
Email: info@infiniteoptics.com

1712 Newport Circle – Suite F, Santa Ana, CA 92705-5118 usa

## V-ANTIREFLECTION COATINGS

**Infinite Optics Antireflection coatings** are the solution to the problem of unwanted surface reflection from various glass and other optics. By increasing the transmitted visual energy in multi-element optical systems and maximizing resolution by maintaining a sharp, crisp image throughout. **Infinite Optics** hard dielectric coatings are extremely durable with high damage threshold and provide state-of-the-art performance when used in diverse environments.

- Designed to optimize transmission at one specified wavelength, with an effective bandwidth of +/- 20nm in the visible, +/- 5nm in the UV, +/- 40nm in the IR.
- Near-zero reflectance at one specific wavelength and angle of incidence.
- Maximum reflectance often less than 0.2% typical reflectance at 0.1%
- Standard coatings available for most laser lines.
- Custom center wavelengths at specific angles of incidence available on request.
- **Available in production quantities**



## UV FILTERS

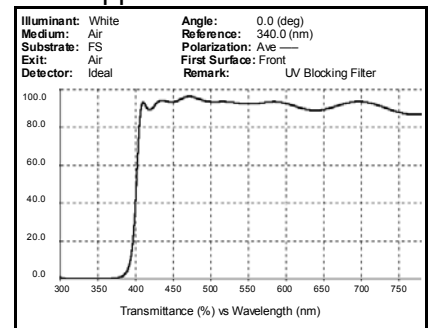
**UV BLOCKING and UV TRANSMITTING** filters are available for specialty venue applications.

**Infinite Optics UV Blocking Filters** are used in applications where it is desirable to illuminate the subject with visible light and avoid the harmful UV A and B light which breaks down most cloth, paint and photographs.

### Spectral Characteristics

**TRANSMITTANCE:** T < 1.0% from 325nm to 390nm, T(ave) > 90% from 410-1200nm.

**ABSORPTANCE:** >99% from 200nm to 325nm



**Infinite Optics UV Transmitting Filters** are used in specialty applications where it is desirable to illuminate the subject with ultraviolet light and view visible fluorescence.

### Spectral Characteristics

**REFLECTANCE:** >98% average from 410nm to 700nm

**TRANSMITTANCE:** 70% average from 340nm to 390nm and 85% from 360-380nm

**ABSORPTANCE:** >99% from 200nm to 300nm

