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Specializing in standard and custom coatings and precision optics

Antireflection Coatings

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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. These dielectric coatings are extremely durable with high damage threshold and provide state-of-the-art performance when used in diverse environments.

MAGNESIUM FLUORIDE

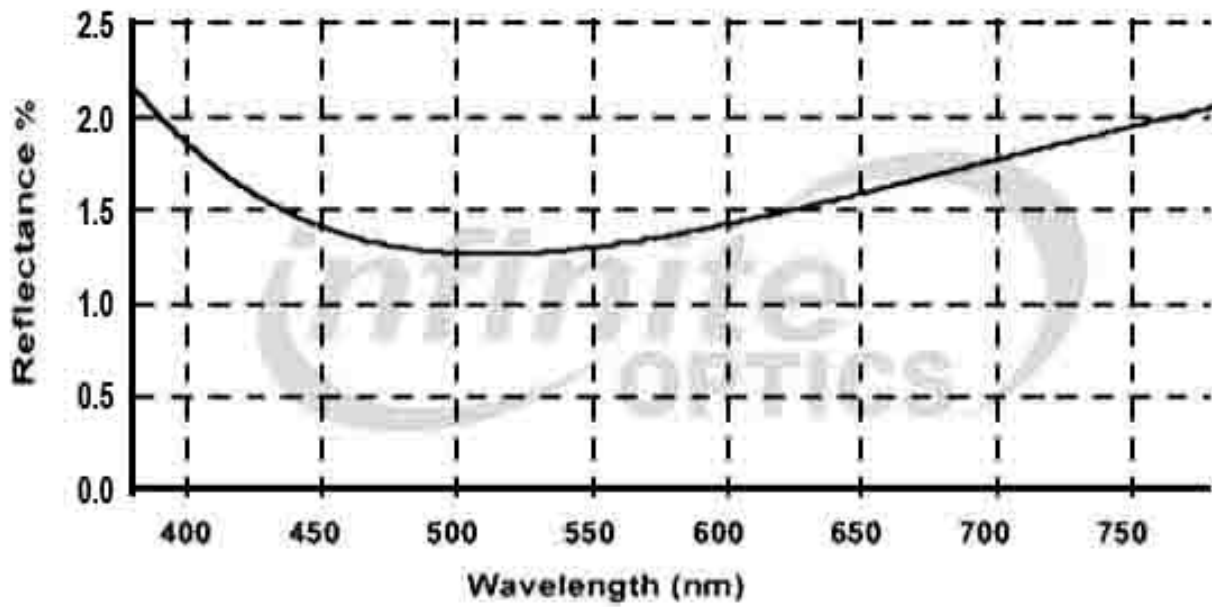
Meets MIL-C-675 durability requirements.

May be centered at any chosen wavelength between 250nm and 4000nm.

The effective band width will vary as the wavelength range shifts from near UV to Visible to IR.

While the coating will withstand diverse environments, some substrate types may fail this exposure.

Magnesium Fluoride



Reflectance (%) vs. Wavelength (nm)

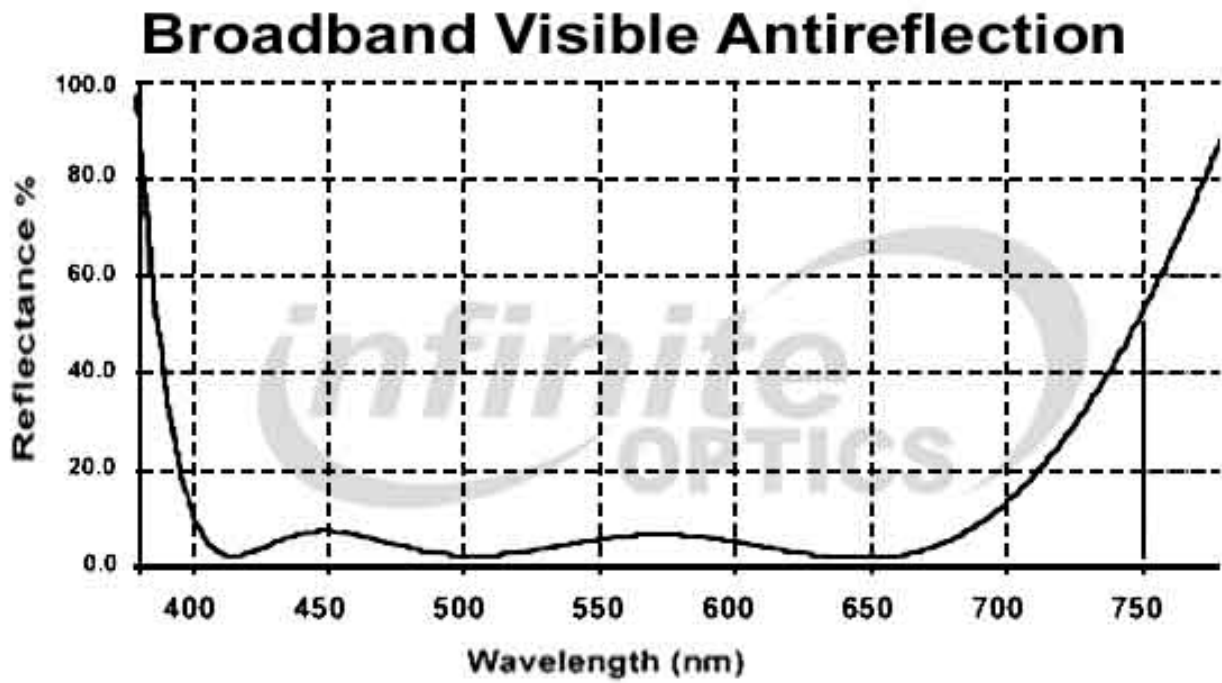
BROADBAND ANTIREFLECTION (BBAR)

The coating of choice when maximum transmission is desired over a wide bandwidth.

Meets MIL-C-675 and MIL-C-14806 durability requirements.

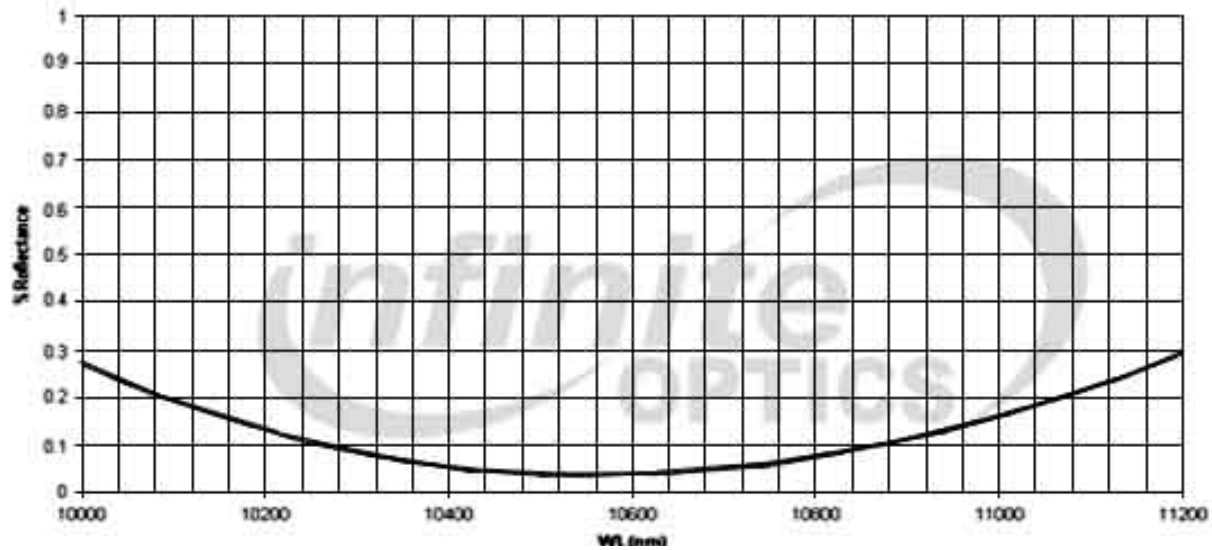
May be centered at any chosen wavelength between 250nm and 2000nm.

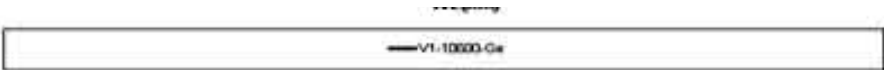
The effective band width will vary as the wavelength range shifts.



Reflectance (%) vs. Wavelength (nm)

V-Coat at 10600nm
Germanium, AOI=5 degrees





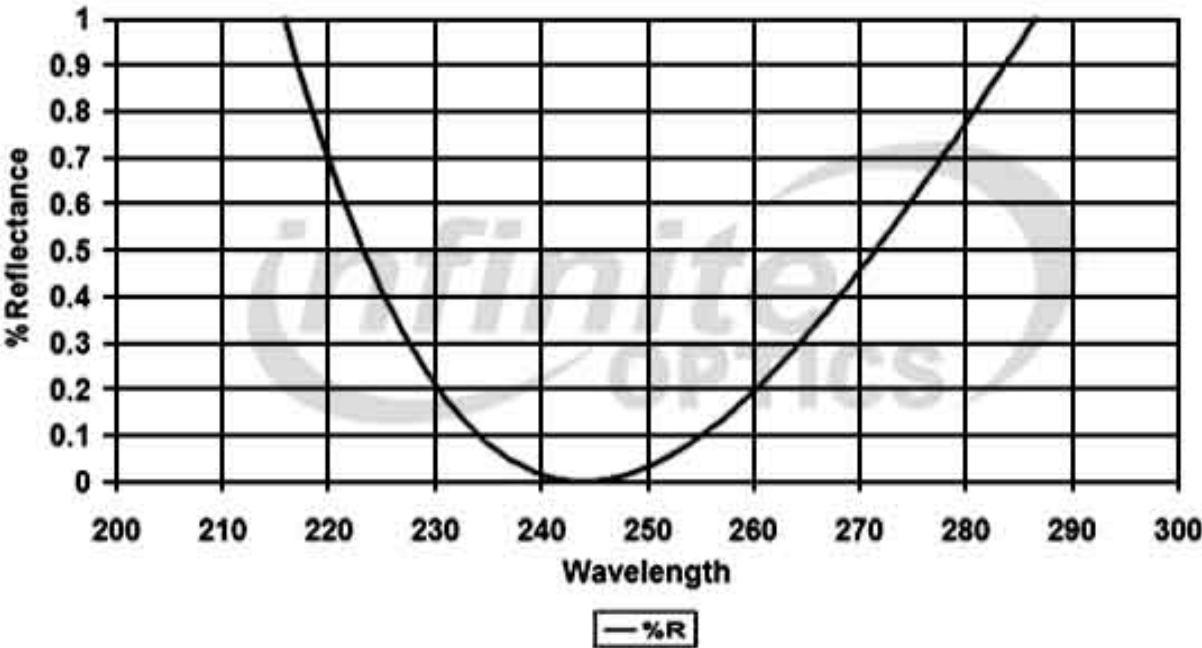
V-COATS

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.

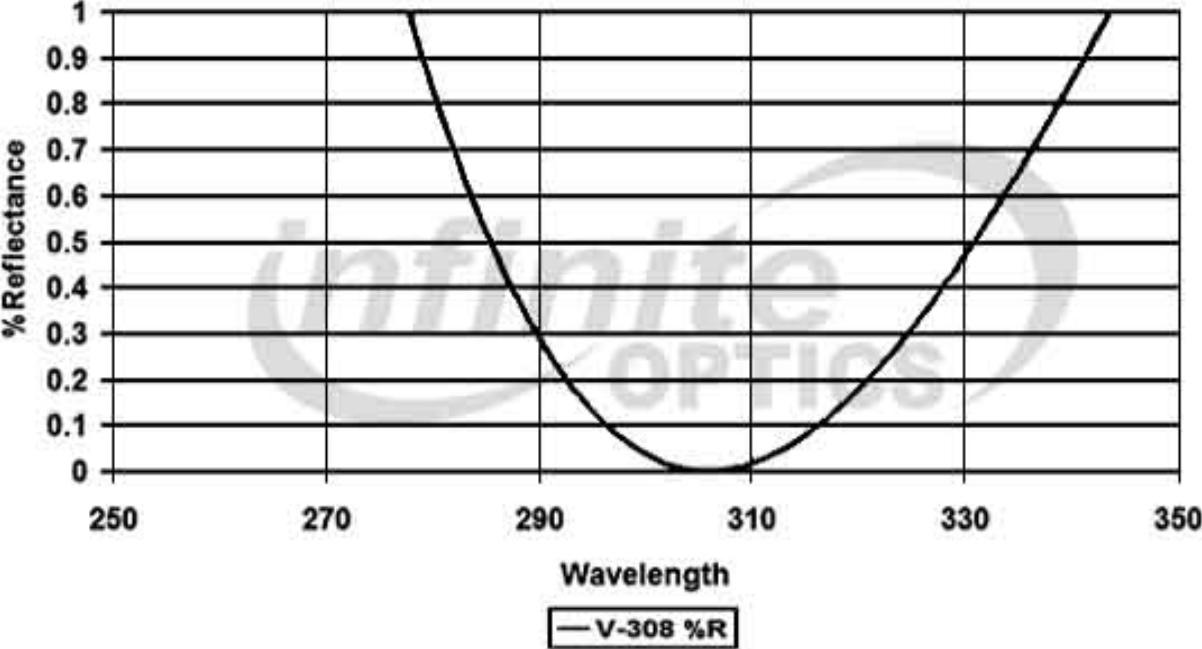
Near-zero reflectance at one specific wavelength and angle of incidence. Maximum reflectance often less than 0.2% typical reflectance at 0.1%

Standard coatings available for most laser lines.

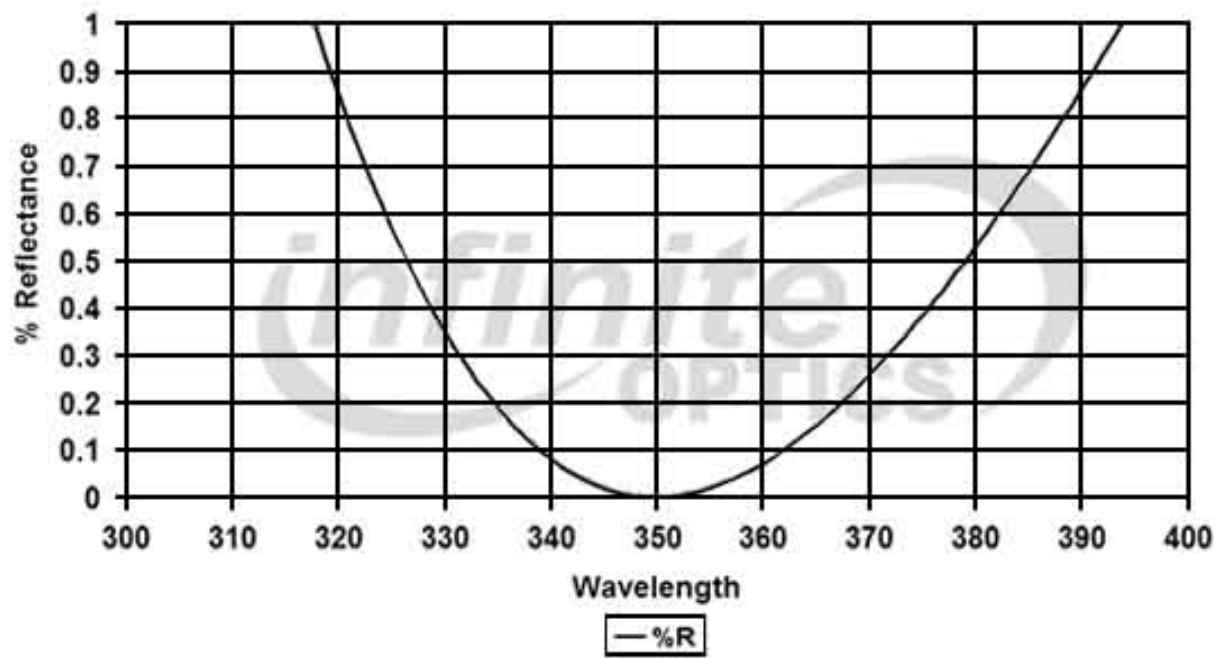
V-248 on Fused Silica



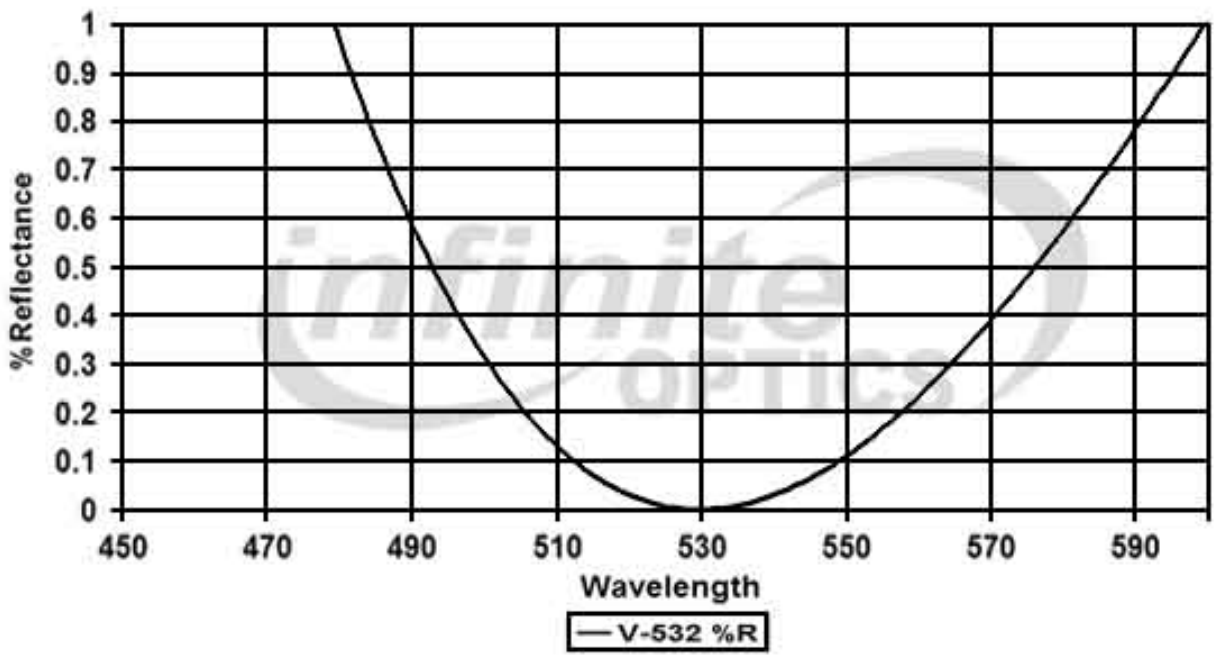
V-308 on Fused Silica



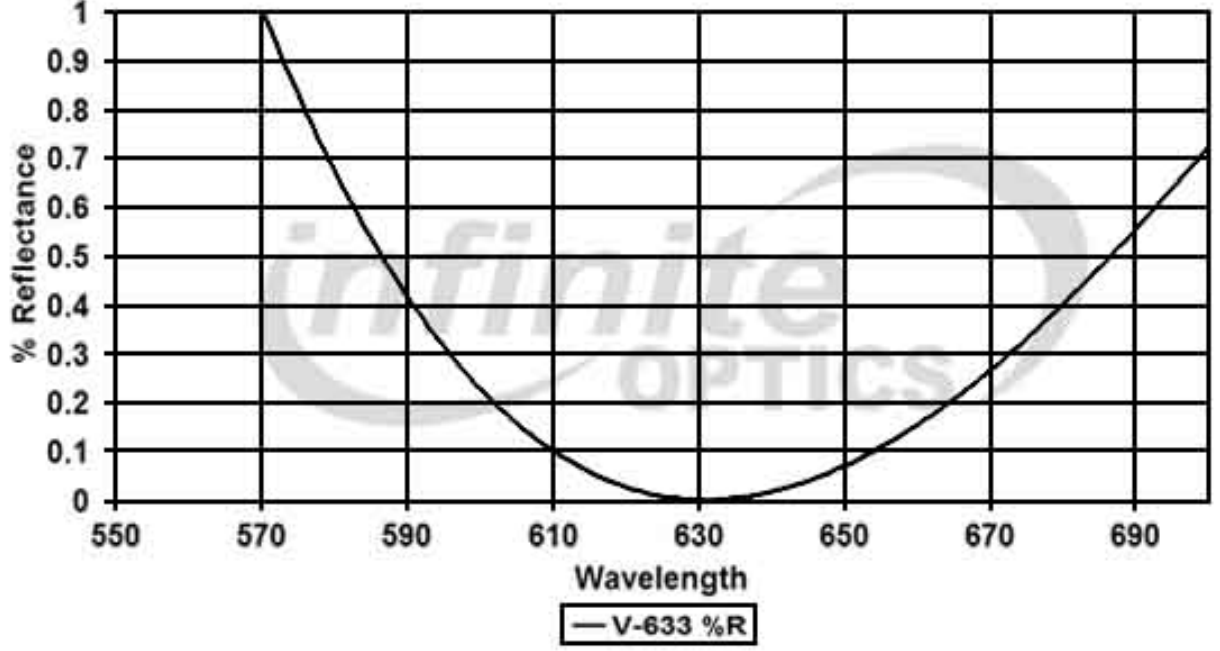
V-351 on Fused Silica



V-532 on Bk7

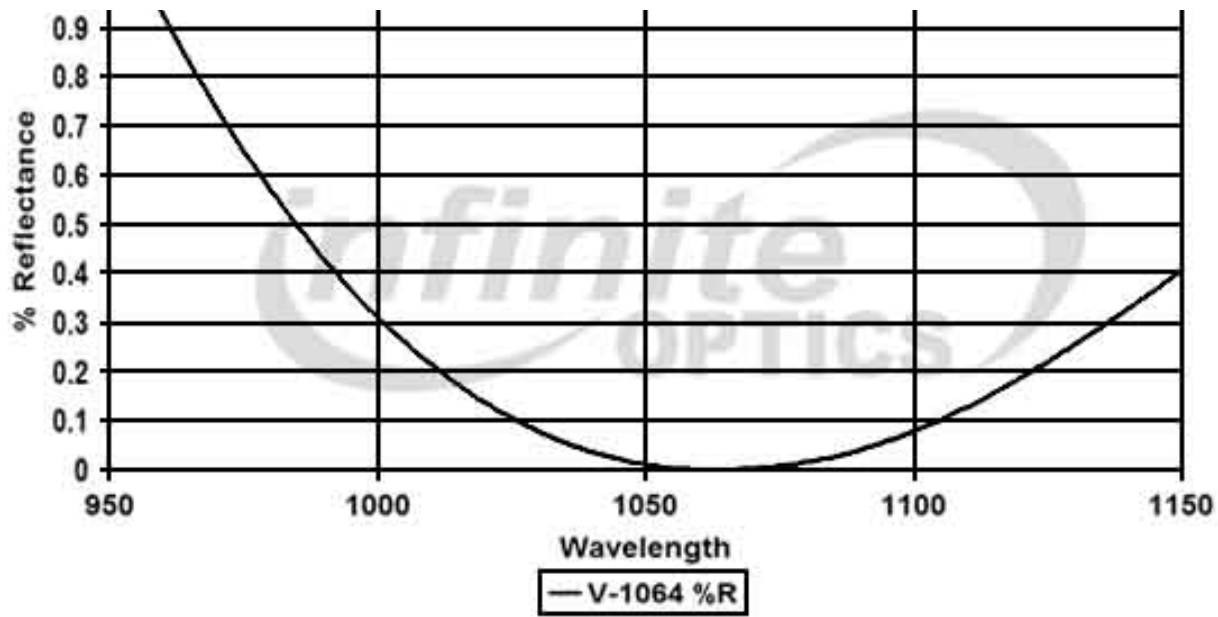


V-633 on Bk7



V-1064 on Bk7





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