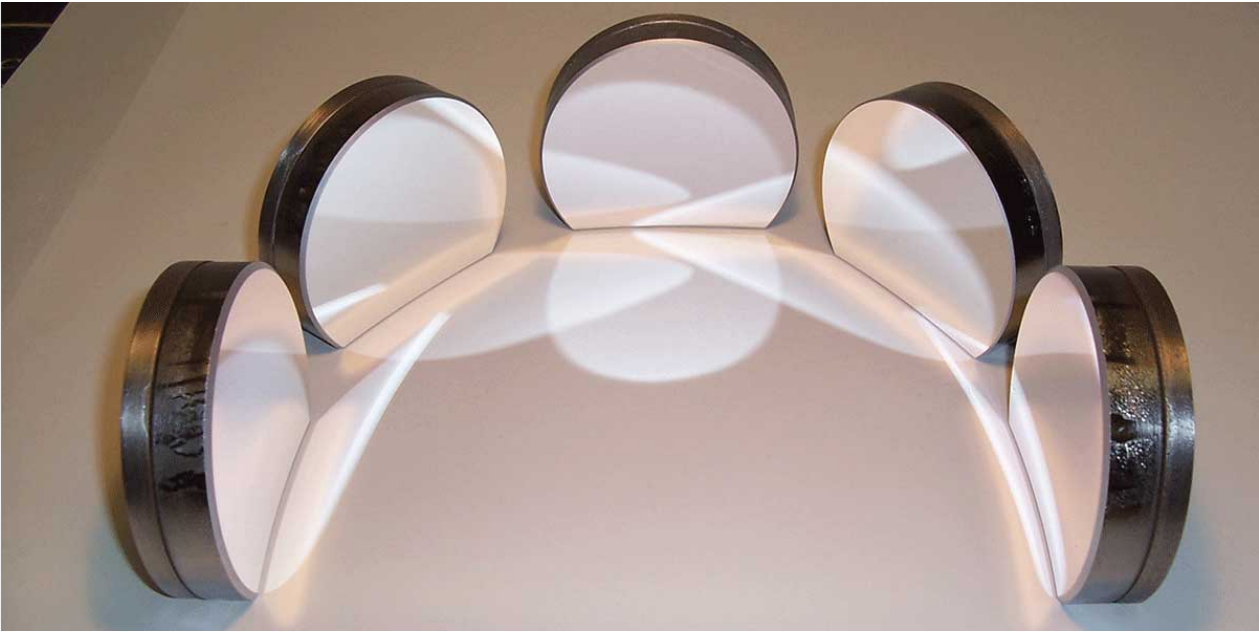


Dielectric Mirrors

For Diverse Substrates:
VIS, NIR,
SWIR, MWIR
Spectral Regions



[ABOUT \(/home/about\)](#) | [CAREERS \(/home/careers\)](#) | [TECHNICAL SUPPORT \(/Home/Technical-Support\)](#) | [RESOURCES \(/home/resources\)](#) | [TEL: 800.959.5517 \(tel:800.959.5517\)](#)

DIELECTRIC MIRRORS

Intlvac systems can produce a wide range of multi-layer, dielectric coatings depending on customer requirements. Custom filter options are available using a diverse range of substrates for applications in the VIS, NIR, SWIR, and MWIR spectral regions. Coating examples include:

1. BANDPASS FILTERS

Coating Description

A bandpass filter is designed to transmit energy only within a selected band of wavelengths in the spectrum and reject all other wavelengths

Durability Performance

Adhesion, severe abrasion, humidity as per the following (where applicable): MIL-C-675, MIL-M-13508, MIL-M-14806, MIL-C-48497, MIL-F-48616, MIL-STD-810F

2. LONG WAVE PASS (LWP) FILTERS

Coating Description

A long-wavelength pass filter transmits energy at wavelengths longer than the cut-on wavelength while energy at wavelengths shorter than the cut-on is attenuated.

Durability Performance

Adhesion, severe abrasion, humidity as per the following (where applicable): MIL-C-675, MIL-M-13508, MIL-M-14806, MIL-C-48497, MIL-F-48616, MIL-STD-810F

3. SHORT WAVE PASS (SWP) FILTERS

Coating Description

A short-wavelength pass filter transmits energy at wavelengths shorter than the cut-off wavelength while energy at wavelengths longer than the cut-off is attenuated.

Durability Performance

Adhesion, severe abrasion, humidity as per the following (where applicable): MIL-C-675, MIL-M-13508, MIL-M-14806, MIL-C-48497, MIL-F-48616, MIL-STD-810F

4. NEUTRAL DENSITY FILTERS

The purpose of the neutral density (ND) coating is to attenuate the incident flux. In its simplest form, the thickness of a single metallic layer is adjusted so that a prescribed transmittance is attained.

For more information about creating a custom solution for your application contact sales@intlvac.com



Send us a message



(<https://youtu.be/klaTtRRtZzI>)

FOR MORE INFORMATION ABOUT CREATING A CUSTOM SOLUTION FOR YOUR APPLICATION,
CONTACT **SALES@INTLVAC.COM** ([MAILTO:SALES@INTLVAC.COM](mailto:SALES@INTLVAC.COM)) OR **1.800.959.5517**



(<mailto:sales@intlvac.com>)

[LOGIN \(/home/login-intlvac\)](/home/login-intlvac) | [REGISTER \(/home/register-intlvac\)](/home/register-intlvac) |



(<https://www.linkedin.com/showcase/intlvac-thinfilm/>)



(<https://twitter.com/intlvac>)



(<https://www.youtube.com/user/intlvac>)

Copyright 2020 by Intlvac Thin Film Corporation

Terms Of Use (<https://www.intlvac.com/Terms>) | Privacy Statement (<https://www.intlvac.com/Privacy>)