

Spec. Number BP-1
Date 2006
Revision 1

Bandpass Filters

Optical Thin Films can be used to produce filters that transmit narrow pass bands of well-defined spectral characteristics for various applications. Coatings can be developed to your specifications, or to specifications developed to meet your application.

Characteristic	Test/Attribute	Indication
Wavelength Reflection	Customer specified	The wavelength or series of wavelengths transmitted.
Angle of Incidence	Typically 0°	
Coating Uniformity	Will vary with substrate geometry	N.A.
Adhesion	Tape test	How well the film adheres to the substrate
Heat Testing	550°C for 12 minutes	Ability of the film to withstand heat
Operating Temperature	Oven test	How well the film will withstand operating temperatures
Thermal Shock	20°C water / 400°C oven cycle 3 times	Ability of film to withstand fast temperature changes
Humidity	24 hours at 120 +/-4 °F, RH of 95 to 100%.	Indicates resistance to heat and moisture combination
Substrate Specifications	Customer specific	
Cosmetics Specifications	Customer specific	