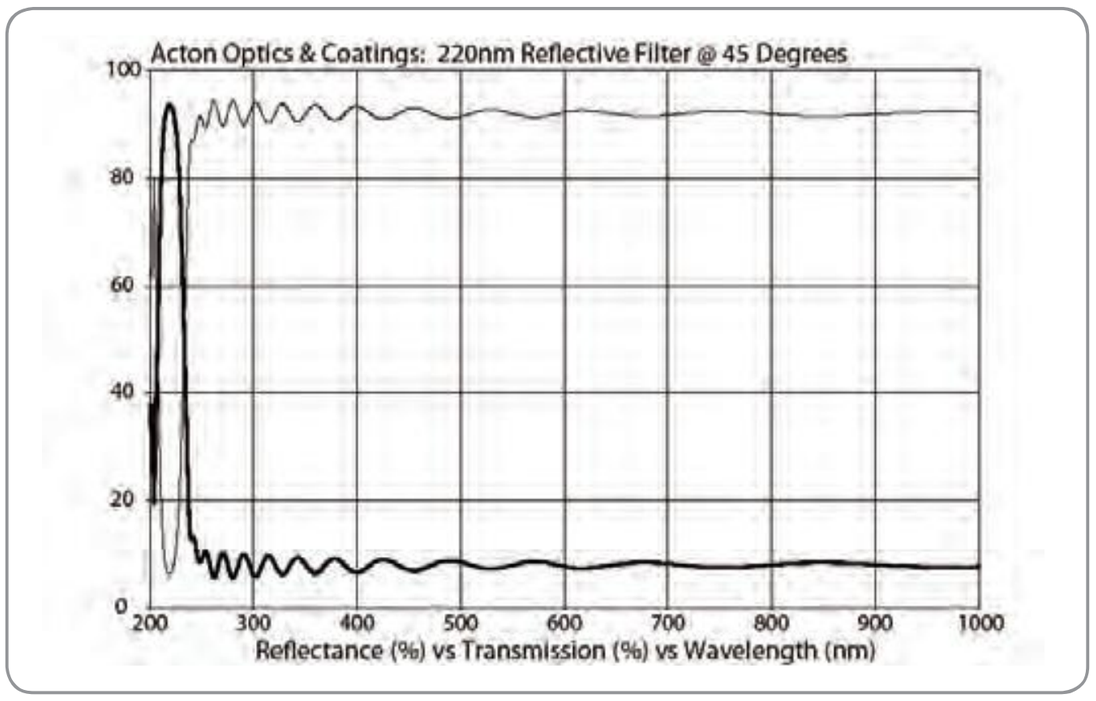
UV/VUV Filters

45° Reflective Filters

Multi-layer reflective filters are all-dielectric reflectors that offer high reflectance at specific VUV through UV wavelengths while transmitting longer wavelength UV to IR light. Refer to page 32-33. “VUV-UV Grade Windows” table for specifications. Custom UV filters for peak wavelengths >250nm are available with deep UV - vacuum UV transmittance below ~210nm. Contact the Optics Sales Department for custom coatings and ordering information.

Coatings can be applied to Acton standard substrates (pgs: 32-33), custom substrates and customer supplied material (CSM). Please contact Acton Optics & Coatings for details.



UV/VUV Reflective Filters on Acton Standard Filter Substrates

Wavelength	Peak Reflectance	1.0” Part Numbers	1.5” Part Numbers	2.0” Part Numbers
126nm	≥ 40%	M126-3045-1D	M126-3045-1.5D	M126-3045-2D
146nm	≥ 45%	M146-3045-1D	M146-3045-1.5D	M146-3045-2D
157nm	≥ 82%	M157-3045-1D	M157-3045-1.5D	M157-3045-2D
172nm	≥ 82%	M172-3045-1D	M172-3045-1.5D	M172-3045-2D
185nm	≥ 82%	M185-3045-1D	M185-3045-1.5D	M185-3045-2D
193nm	≥ 82%	M193-3045-1D	M193-3045-1.5D	M193-3045-2D
200nm	≥ 90%	M200-3045-1D	M200-3045-1.5D	M200-3045-2D
208nm	≥ 90%	M208-3045-1D	M208-3045-1.5D	M208-3045-2D
212nm	≥ 90%	M212-3045-1D	M212-3045-1.5D	M212-3045-2D
220nm	≥ 90%	M220-3045-1D	M220-3045-1.5D	M220-3045-2D
240nm	≥ 90%	M240-3045-1D	M240-3045-1.5D	M240-3045-2D
248nm	≥ 90%	M248-3045-1D	M248-3045-1.5D	M248-3045-2D
254nm	≥ 90%	M254-3045-1D	M254-3045-1.5D	M254-3045-2D
260nm	≥ 90%	M260-3045-1D	M260-3045-1.5D	M260-3045-2D
266nm	≥ 90%	M266-3045-1D	M266-3045-1.5D	M266-3045-2D
280nm	≥ 90%	M280-3045-1D	M280-3045-1.5D	M280-3045-2D
300nm	≥ 90%	M300-3045-1D	M300-3045-1.5D	M300-3045-2D
320nm	≥ 90%	M320-3045-1D	M320-3045-1.5D	M320-3045-2D
340nm	≥ 90%	M340-3045-1D	M340-3045-1.5D	M340-3045-2D
352nm	≥ 90%	M352-3045-1D	M352-3045-1.5D	M352-3045-2D
360nm	≥ 90%	M360-3045-1D	M360-3045-1.5D	M360-3045-2D

NOTE: Substrate material for filters below 175nm is CaF_2 and Fused Silica above 175nm

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