

# UV Filters

## VUV/UV Beamsplitters

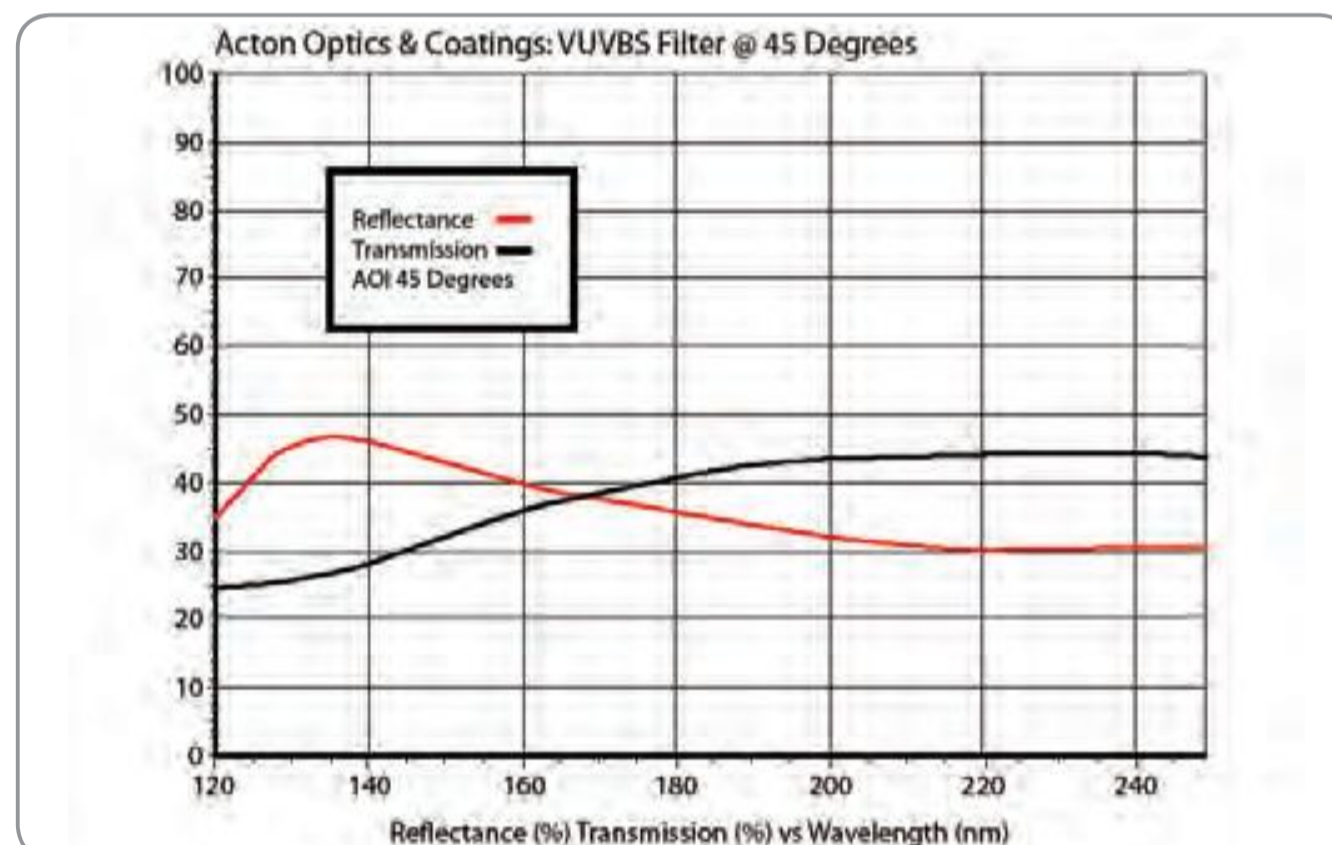
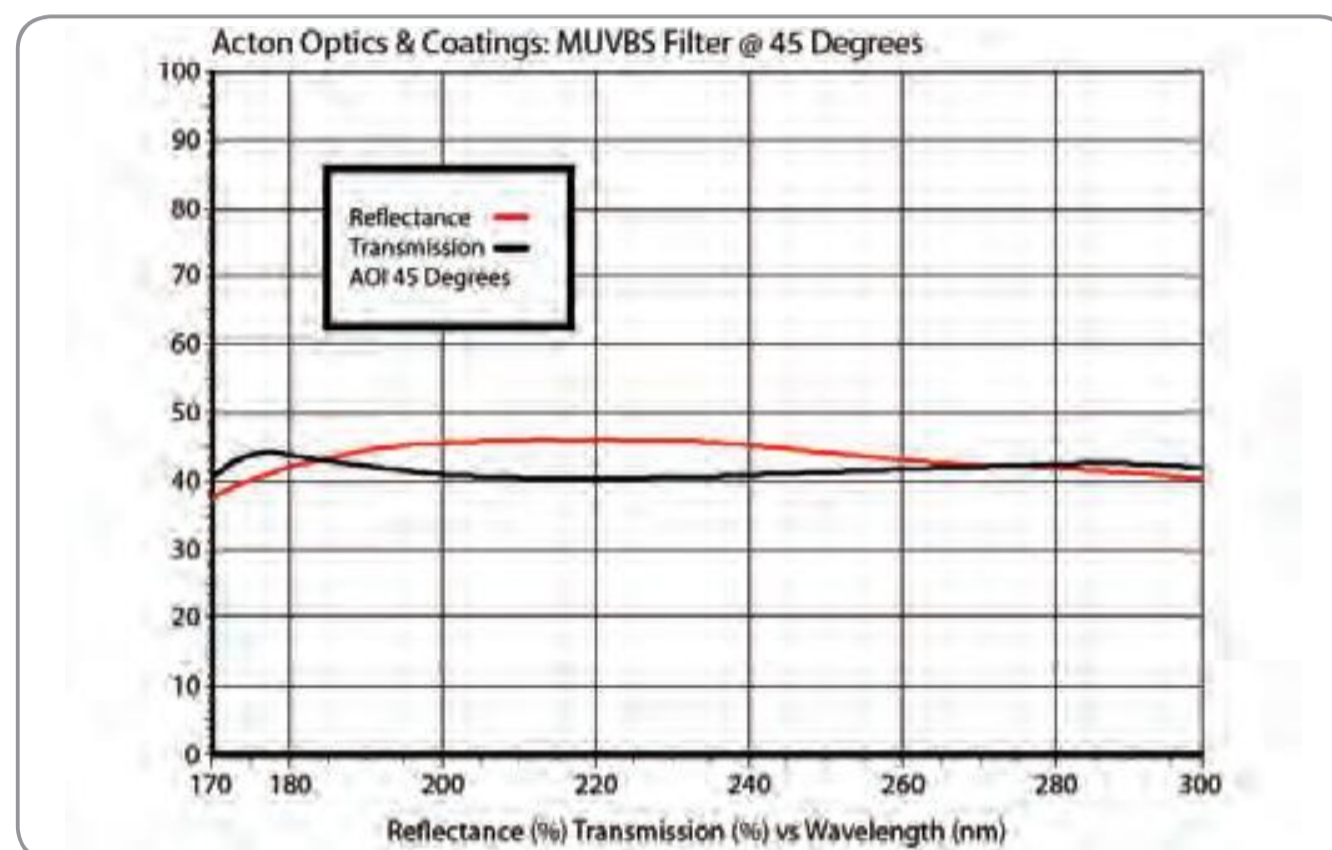
Acton offers two types of broadband metallic beamsplitter coatings. Beamsplitters are designed for 45° angle of incidence and Acton Optics can provide S&P polarization information based on simulations and actual data.

**MVUVBS45:** Vacuum UV beamsplitter transmittance & reflectance of 32-42% average from 120-240nm at 45°.

**MMUVBS45:** Middle UV beamsplitter transmittance & reflectance of 40-50% average from 170-320nm at 45°.

These beamsplitters are designed for low power applications in the wavelength ranges 120-300nm.

*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.*



## VUV/UV Beamsplitters on Acton Standard Filter Substrates



Wavelength Range	Average Transmission	0.5" Part Numbers	1.0" Part Numbers	2.0" Part Numbers
120-240nm	32-42%	MVUVBS45-.5D	MVUVBS45-1D	MVUVBS45-2D
170-300nm	40-50%	MMUVBS45-.5D	MMUVBS45-1D	MMUVBS45-2D

NOTE: Substrate material for part number MVUVBS45, UV Grade MgF<sub>2</sub> and Fused Silica for MMUVBS45