

UV Filters

Solar Blind Filters

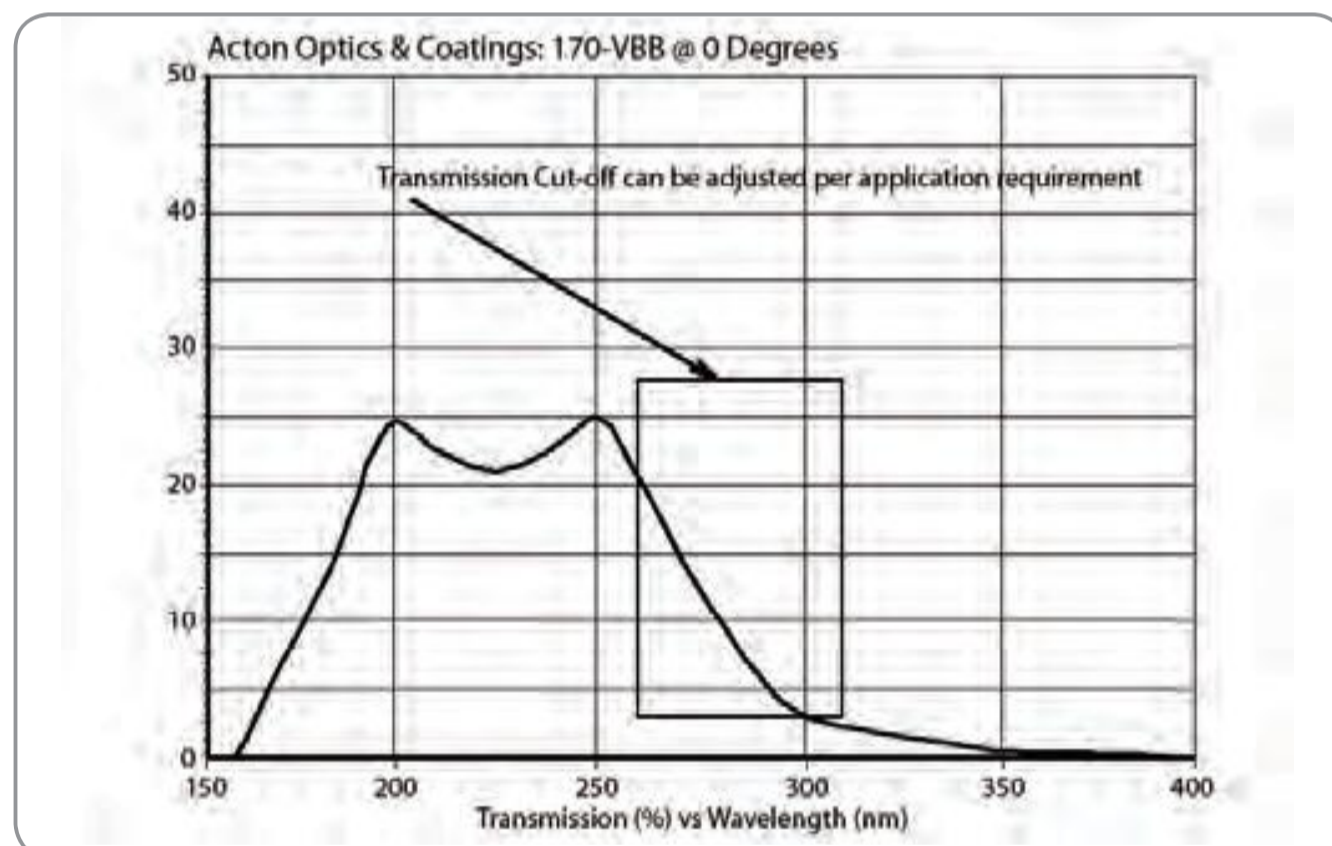
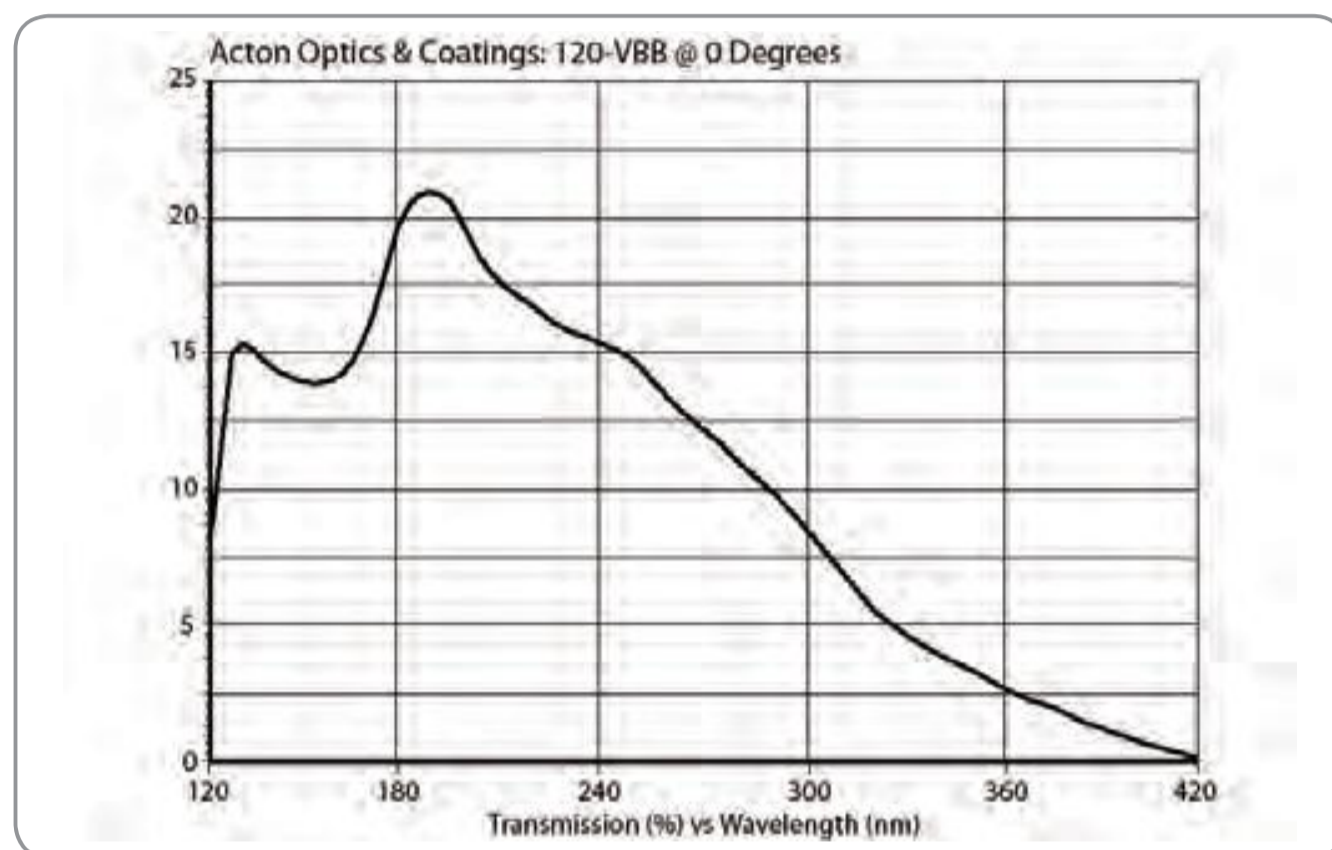
Originally designed for the space program, these unique very broadband UV and VUV filters are useful for isolating broad bands of UV or UV-VUV radiation. Our very broadband (VBB) filters offer broadband transmittance properties, averaging 10-20% over the bands specified. Rejection is approximately 5×10^{-3} at 500nm.

Care must be taken to avoid contact with the coated surface of this open-faced design, as absorption of the substrate at wavelengths near 120nm typically prohibits covering and edge sealing. Model 170-VBB is manufactured open-faced, however it can be supplied covered and edge sealed to protect the coated surface. See page 21 for more information.

Model 120-VBB: Average transmission 10-20% from 120-250nm

Model 170-VBB: Average transmission 10-20% from 170-300nm

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.



Solar Blind Filters on Acton Standard Filter Substrates



Wavelength Range	Average Transmission	0.5" Part Numbers	1.0" Part Numbers	2.0" Part Numbers
120-250nm	10-20%	FB120-VBB-0.5D	FB120-VBB-1D	FB120-VBB-2D
170-300nm	10-20%	FB170-VBB-0.5D	FB170-VBB-1D	FB170-VBB-2D

NOTE: Substrate material for part number FB120-VBB, UV-Grade MgF₂ and Fused Silica for FB170-VBB