

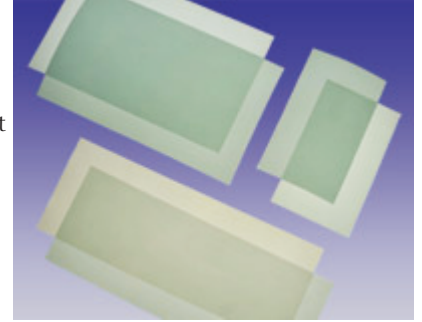
# Ultraviolet(UV) Linear Polarizer

## Overview:

In conjunction with Bolder Vision Optik, API is very pleased to offer a Ultraviolet (UV) linear polarizer. Composed of a dichroic UV polarizer sandwiched between fused silica, the APUV linear polarizer is an excellent choice for your polarization needs.

The effective UV range is from 320nm to 420nm. Broad band anti-reflective (BBAR) coatings are available upon request.

UV polarizer applications include: photometric instruments, microscopy, and systems integrating fluorescence.

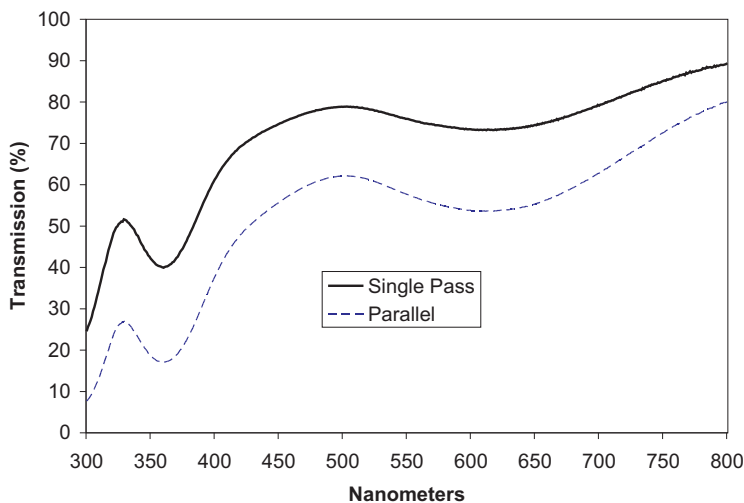


## Data:

### Product Code

Description	<b>APUV</b> UV Linear Polarizer
Available Sizes	1" (APUV-1DIA) and 2" (APUV-2DIA) diameters
Substrate	Fused Silica
Effective Range	320nm-420nm
Coatings	None (Broad Band AR available upon request)
Transmission, single pass, 320nm-420nm	48.5%
Transmission, parallel, 320nm-420nm	25.3%
Transmission, crossed, 320nm-420nm	.08%
Beam Deviation	1 arc minute
Temperature Range	-50°C to +50°C
Damage Threshold	1 W/Cm <sup>2</sup> , CW 2 J/Cm <sup>2</sup> with 20 nanosec pulse, visible

Single and Parallel Transmission in Unpolarized Light



Crossed in Unpolarized Light

