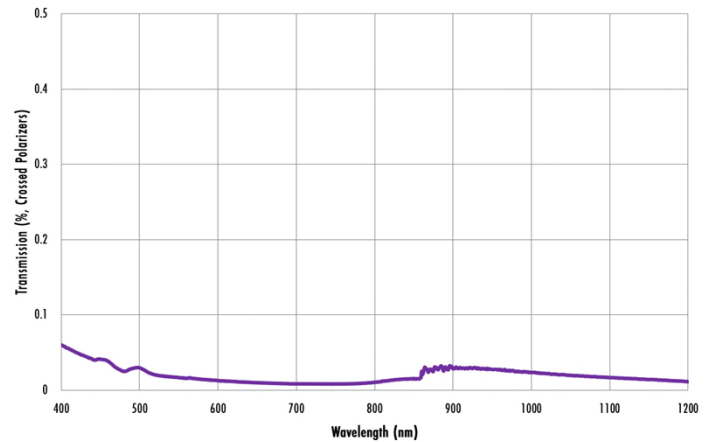
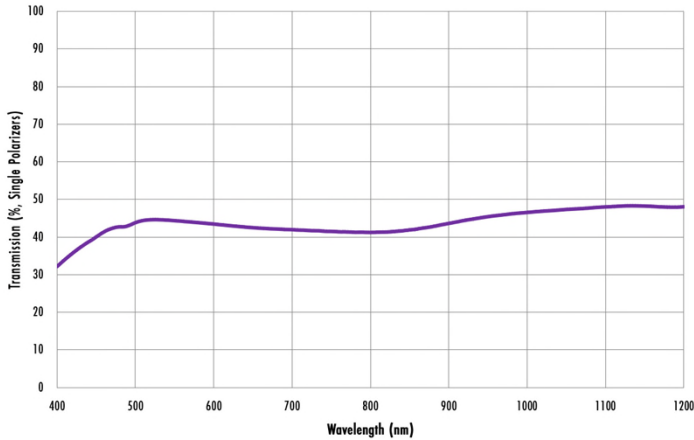


## WG-1 Wire Grid Polarizing Film



Wire Grid Polarizing Film is ideal for applications requiring high contrast polarization, including pico projectors, polarizing beamsplitters, and heads up displays. It is designed to transmit the required polarization state while reflecting the unwanted state. Since these polarizers have spectrally flat performance at angle of incidences up to 45°, they can also be used as polarizing beamsplitters and feature excellent performance in the visible and NIR spectra from 400 – 1200nm. Due to the wire grid being exposed, special care should be taken when handling to prevent damage to the polarizer.

## Specifications

|                                |                                           |
|--------------------------------|-------------------------------------------|
| Transmission (% avg, typical): | Single: 44   Parallel: 36   Crossed: 0.02 |
| Wavelength Range (nm):         | 400 - 1200                                |
| Angle of Incidence (°):        | 0 - 45                                    |
| Extinction Ratio:              | 2000:1 (avg, typical)                     |
| Operating Temperature (°C):    | 60 Max @ 90% RH 105 in dry conditions     |
| Substrate:                     | Aluminum Wires on COP                     |
| Orientation of Axis:           | 0° ±2°, marked by Notch                   |
| Max Dimensions (mm):           | 75 x 75                                   |
| Thickness (mm):                | 0.19 ±0.03                                |

## Form of Delivery:

Custom sizes available on demand. The direction of polarization is parallel to the first-mentioned dimension. Protective films on both sides should be removed before using the polarizers within your application. We reserve the right to change the technical specifications at any time.

Find out more about our polarizers: [www.edmundoptics.com/Itos-Polarizers](http://www.edmundoptics.com/Itos-Polarizers)