

## SHORTPASS FILTER & TRANSMISSION/NIR-CUT FILTER CURVES

Often thought of as "IR-cut" Filters, Shortpass Filters are specifically designed to pass a broad spectrum of shorter wavelength light, while blocking longer VIS and NIR wavelengths.

- Peak transmission  $\geq 90\%$
- Anti-reflection coated for maximum transmission
- Can be used with Longpass Filters for a custom, fine-tuned Bandpass Filter
- Exceptional surface quality; 10/5 scratch/dig\* for over the sensor
- Precision polished glass substrate
- Available in wavelength ranges from 340-785 nm

*\*Applies in most cases*

Shortpass  
SP

### SP SERIES - VIS PASS

- Separate color in monochrome or color applications
- Improve contrast and resolution

### SP SERIES - NEAR-IR BLOCK

- Commonly placed over the camera's image sensor to block near-IR light and achieve natural color rendition
- Used as a hot mirror to reduce unwanted heat build-up caused by infrared radiation

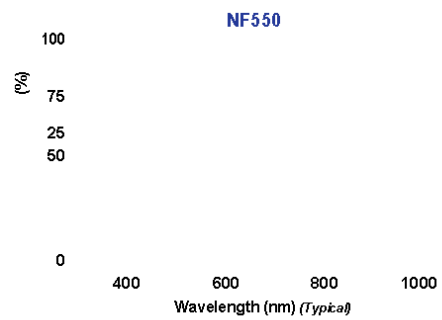
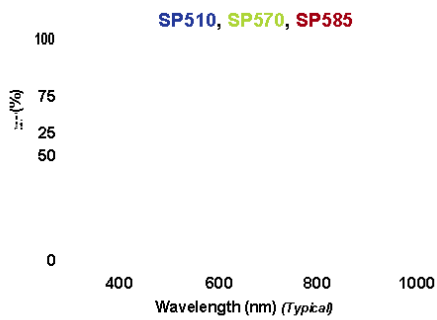
**APPLICATIONS:** Shortpass Filters are commonly used in color imaging to achieve natural color rendering. They can also be used to protect the sensor from NIR laser damage or to reduce IR radiation or "camera bloom" created during hot metal or glass extrusion processes.

**MOUNT & SIZE OPTIONS:** Shortpass Filters are in stock, ready to ship, and are available in Threaded Mounts, sizes M13.25 to M105; 25.4@ C-Mounts; Slip Mounts; or Unmounted. Shortpass Filters can be optically cemented behind an M12 lens if preferred. Custom shapes and sizes are also available.

For more information, visit [midopt.com/shortpass](http://midopt.com/shortpass)

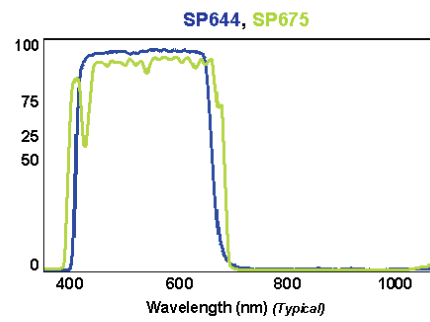
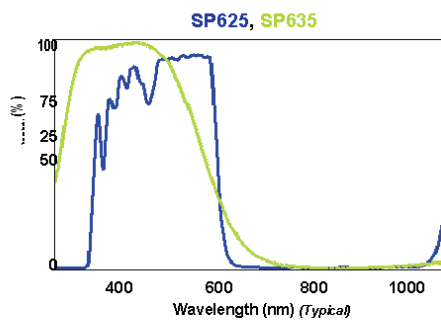
# FILTERS & TRANSMISSION CURVES

## SP SERIES: VIS PASS



Shortpass

## SP SERIES: VIS PASS / NIR BLOCK



SP

