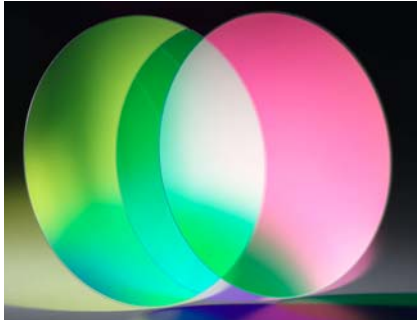


Color Sensor Filters



Key Features

- Standard filters match CIE or ISO tristimulus curves
- Custom filters can be built to match eye cone responses or other requirements
- Filters can be tailored to compensate for light source spectral distribution and receiver spectral sensitivity
- Filters can be produced repeatably and with high precision
- Energetically-deposited hard dielectric coatings are robust and reliable (filters pass ISO-9211-3 Category C; MIL-STD-810F 5 cycles)
- Filters available in 200mm glass wafer format or sized to customer specification

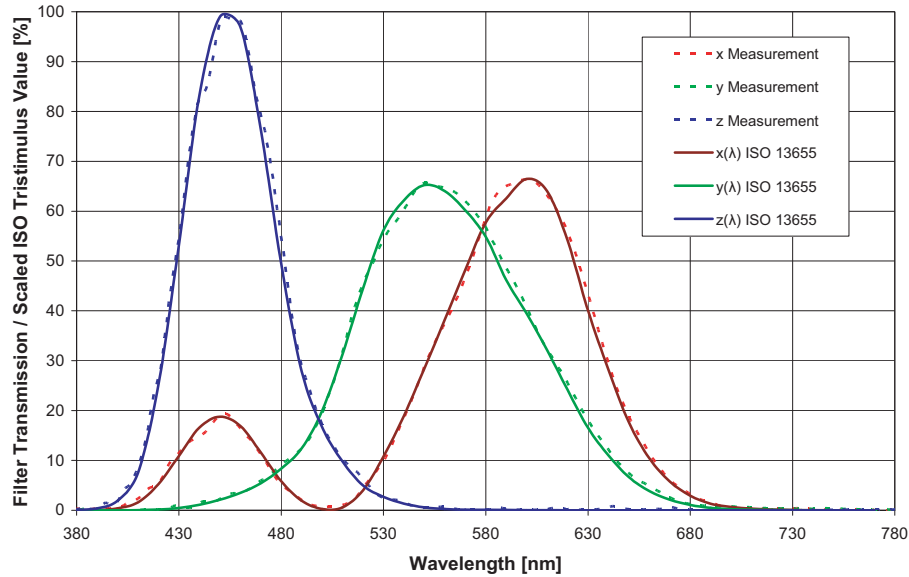
Applications

- Colorimetry, color matching
- Color calibration for printers, displays
- Light booths
- Reprographic industry
- Radiometry, photometry

JDSU's Color Sensor Filters are based on thin film technology. They are designed and built to match spectral curves such as the CIE or ISO tristimulus functions. JDSU can tailor the spectral response of Color Sensor Filters to meet custom requirements. For example, illuminant and detector correction functions can be combined with a CIE tristimulus function into a single filter.

The superior precision and repeatability of the new Ucp-1 filter deposition platform enables the realization of Color Sensor Filters that have been difficult or impossible to achieve with previous-generation technologies. The relatively small batch size of the platform reduces the barrier of entry for new applications as compared with other filter coating processes. The high deposition rate and load-locked pumping system enables high throughput in volume production at low cost.

Ucp-1 coatings pass the environmental durability tests cited in ISO-9211-3 Category C, as well as extended cyclic humidity testing as described in MIL-STD-810F (5 cycles) without measurable change in their spectral characteristics.

Comparison of ISO 13655 Tristimulus Functions with Measurements of Ucp-1-deposited Filters

Ordering Information

For more information on this or other products and their availability, please contact your local JDSU account manager or JDSU directly at 1-800-498-JDSU (5378) in North America and +800-5378-JDSU worldwide or via e-mail at customer.service@jdsu.com.

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