Dichroic Process Filters

• These multilayer thin-film dielectric coatings provide precision color control
• Will not fade or degrade with time - unlike organic or gelatin filters
• Available in both additive and subtractive configurations

These color filters are made for color process work where color consistency and stability are important. The multilayer dielectric coatings are hard and durable and will not fade or degrade with time as other filter materials often do.

The subtractive dichroic color process filters are useful for separating colors prior to printing or other processing or any other time one wishes to remove a spectral region from an imaging system. The additive dichroic filters are often used in three-color projection systems where the original images are produced by RGB phosphors. These filters have a glass substrate and they are not mounted.

Specifications & Tolerances
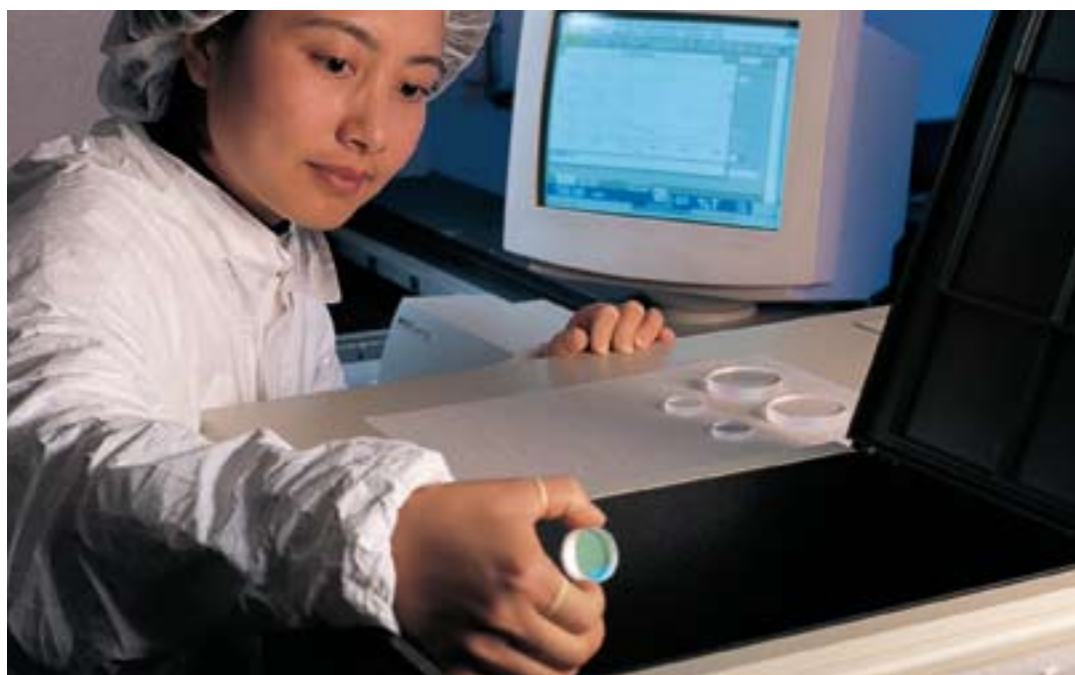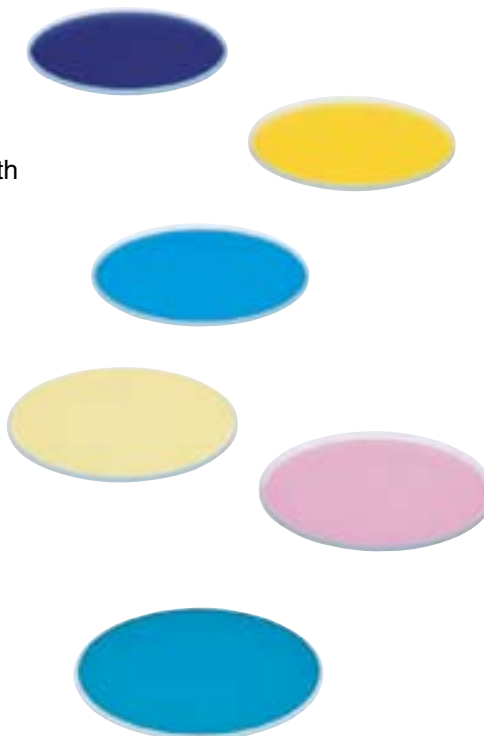
Diameter: 25mm+0, -0.25mm
Clear aperture: 95%
Parallelism: 3arcmin
Surface quality: 80-50
Thickness: 1mm ±0.25mm
Temperature range: -50 to +100°C

These filters are unmounted.

Our extensive metrology capabilities ensure that our products will meet or exceed their specifications.

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&
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sales@optosigma.com
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t = 1mm

D
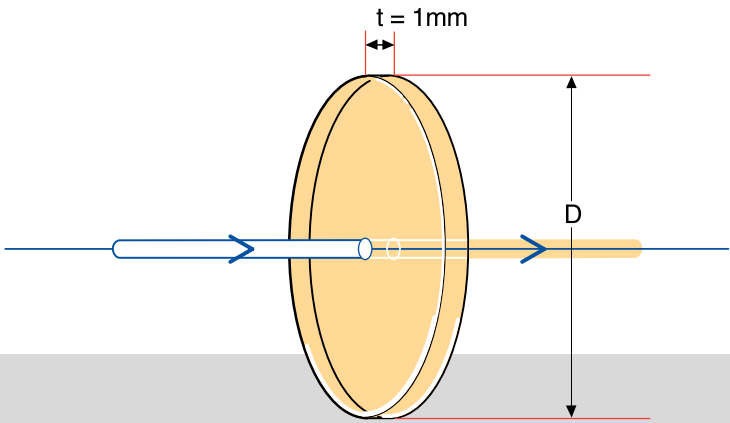
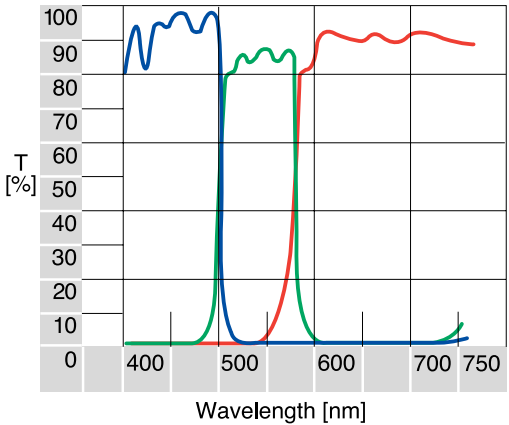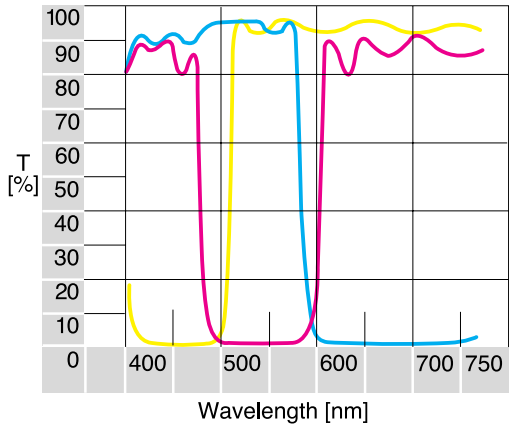DICHROIC FILTER

DICHROIC FILTERS (additive)

BLUE
GREEN
RED

DICHROIC FILTERS (subtractive)

YELLOW
MAGENTA
CYAN

Dichroic Process Filters

Color	Type	Diameter (mm)	Price	PART NUMBER
Blue	Additive	25.0		**079-0010**
Green	Additive	25.0		**079-0020**
Red	Additive	25.0		**079-0030**
Yellow	Subtractive	25.0		**079-0040**
Magenta	Subtractive	25.0		**079-0050**
Cyan	Subtractive	25.0		**079-0060**

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Please contact us if you need OEM quantities of these filters.