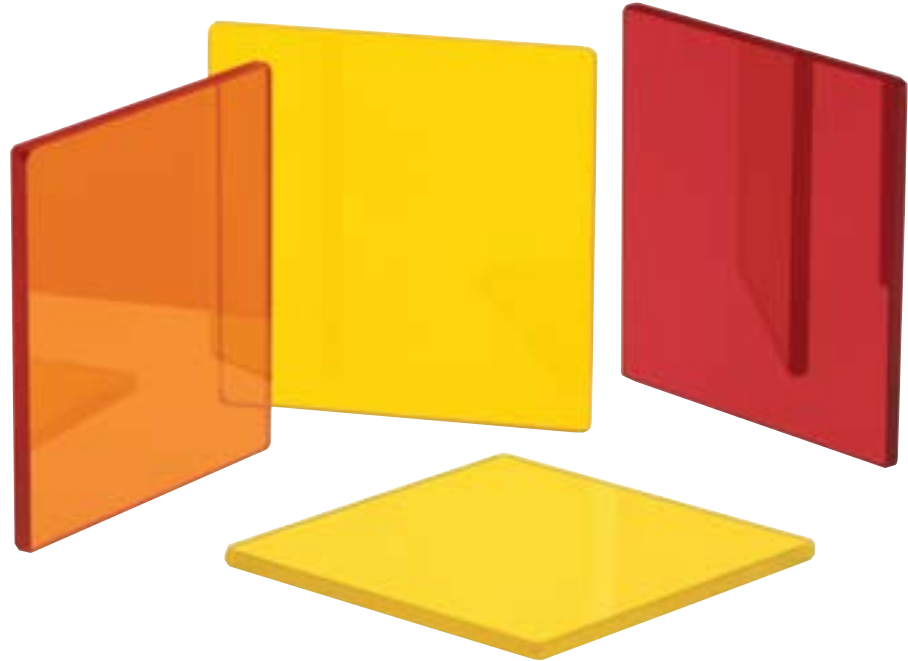


## Colored Glass Filters

- Made from the finest quality color glasses
- All are available in standard 3mm thicknesses
- Ultra-Violet and IR cut-off filters help to protect polymer and organic devices
- Heat absorbing filters reduce thermal strain on downstream optics



Colored glass provides one of the simplest ways to isolate a portion of the spectrum. If you need to work within a specific spectral region and block other colors, glass filters provide a ready and economical solution.

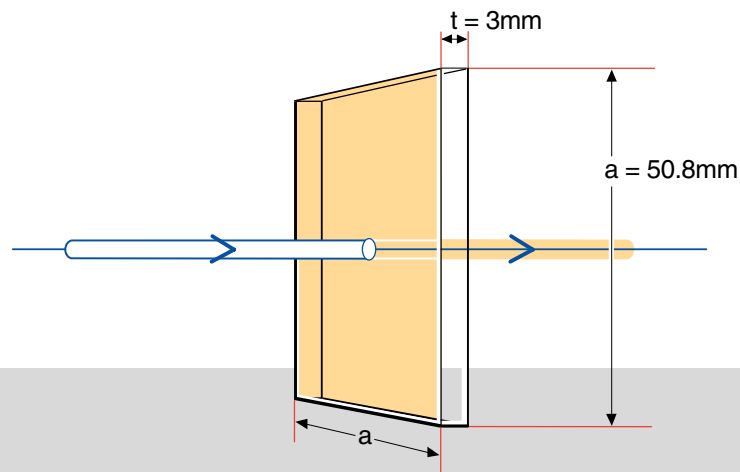
We offer a wide selection of colored glass filters. These are made from high quality optical colored glass. They are 2 inches square and unmounted.

See the following graphs for details of transmission characteristics.

### Specifications & Tolerances

Side: 50.8 +0, -0.3mm  
 Surface quality: 80-50

Thickness: 3.0 ±0.3mm

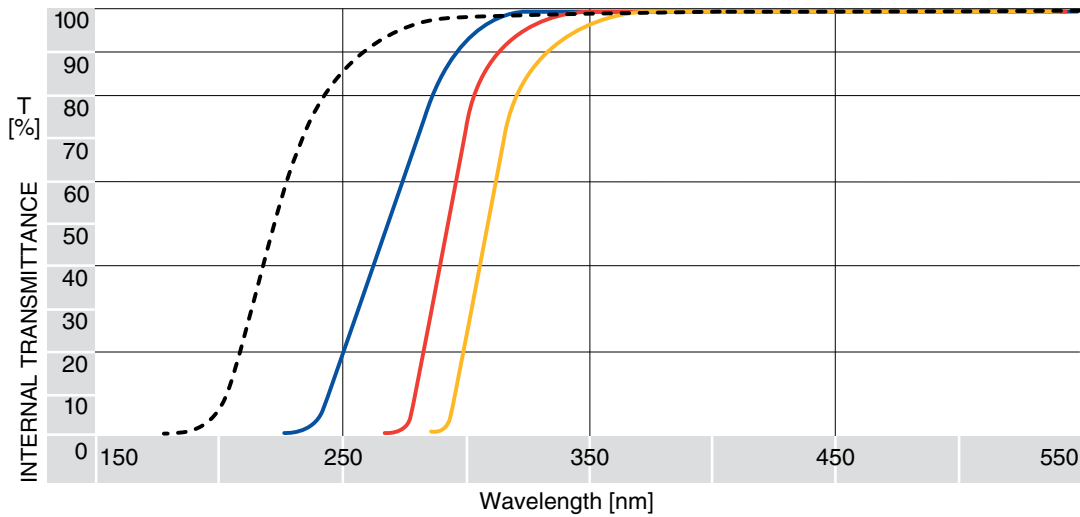


COLORED GLASS FILTER

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- Lens Kits
- Achromatic Doublets
- Multi-Element
- Micro Optics
- Mirrors
- Prisms
- Substrates & Windows
- Beamsplitters
- Polarizers

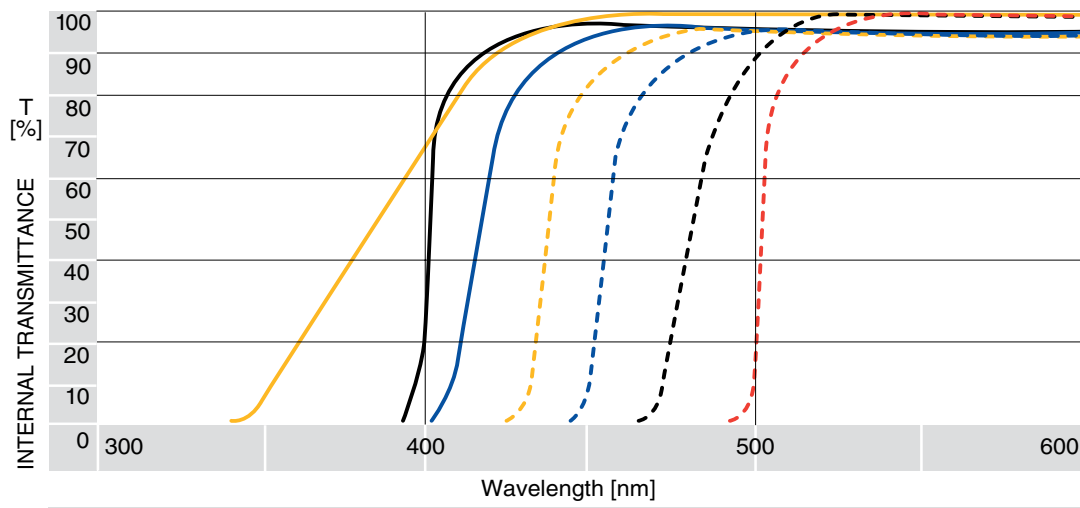
Filter & Apertures



TYPICAL INTERNAL TRANSMITTANCE  
 ULTRA-VIOLET CUTOFF FILTERS (3mm thick)    077-1330 --- 077-1350 —  
 077-1340 — 077-1360 —

Ultra-Violet Cut-off Filters

Type	Wavelength (nm)	Price	PART NUMBER
Ultra-Violet Cut-off	220.0		077-1330
Ultra-Violet Cut-off	280.0		077-1340
Ultra-Violet Cut-off	300.0		077-1350
Ultra-Violet Cut-off	320.0		077-1360



TYPICAL INTERNAL TRANSMITTANCE  
 SHORTWAVE CUTOFF FILTERS (3mm thick)    077-1460 — 077-1480 — 077-1560 ---  
 077-1470 — 077-1490 - - 077-1570 - -  
 077-1550 - -

Short Wave Cut-off Filters

Type	Wavelength (nm)	Price	PART NUMBER
Shortwave Cut-off	390.0		077-1460
Shortwave Cut-off	400.0		077-1470
Shortwave Cut-off	420.0		077-1480
Shortwave Cut-off	440.0		077-1490
Shortwave Cut-off	460.0		077-1550
Shortwave Cut-off	480.0		077-1560
Shortwave Cut-off	500.0		077-1570

We are able to provide a broad range of high quality colored glasses. We list here only those popular colors that we keep in stock, but a considerably greater range of colors is available for OEM and medium volume requirements. If you need special shapes, sizes, colors, or thicknesses please contact us.

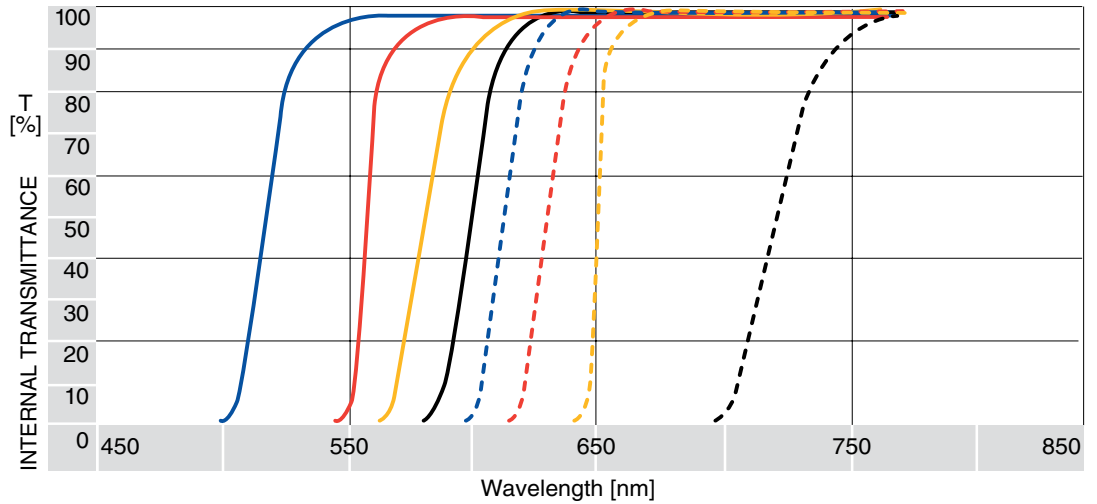
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**Filter & Apertures**

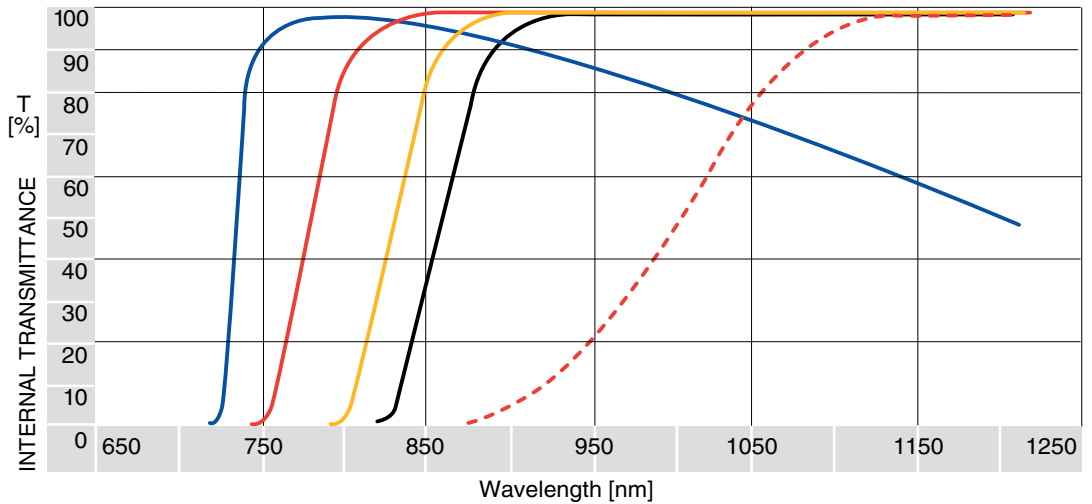


TYPICAL INTERNAL TRANSMITTANCE  
ORANGE/RED FILTERS (3mm thick)

077-1580	—	077-1630	- - -
077-1590	—	077-1640	- - -
077-1610	—	077-1650	- - -
077-1620	—	077-1690	- - -

**Colored Glass Filters**

Type	Wavelength (nm)	Price	PART NUMBER
Orange Glass	520.0		077-1580
Orange Glass	540.0		077-1590
Orange Glass	560.0		077-1610
Red Glass	580.0		077-1620
Red Glass	600.0		077-1630
Red Glass	620.0		077-1640
Red Glass	640.0		077-1650
Red Glass	720.0		077-1690



TYPICAL INTERNAL TRANSMITTANCE  
INFRA-RED TRANSMITTING FILTERS (3mm thick)

077-2290	—	077-2250	—
077-2220	—	077-2280	- - -
077-2240	—		

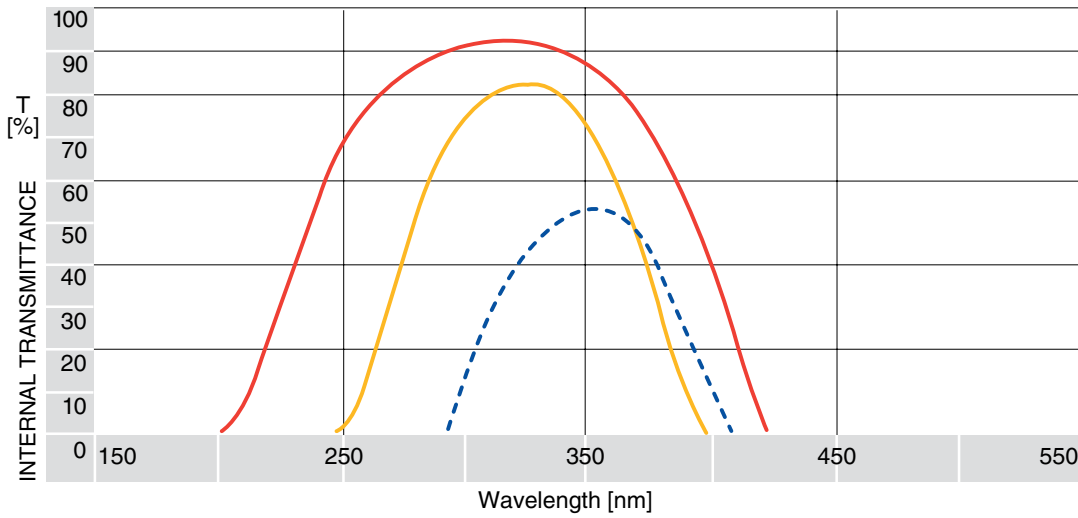
**IR Transmitting Filters**

Type	Wavelength (nm)	Price	PART NUMBER
IR Transmitting	730.0		077-2290
IR Transmitting	760.0		077-2220
IR Transmitting	830.0		077-2240
IR Transmitting	850.0		077-2250
IR Transmitting	1000.0		077-2280

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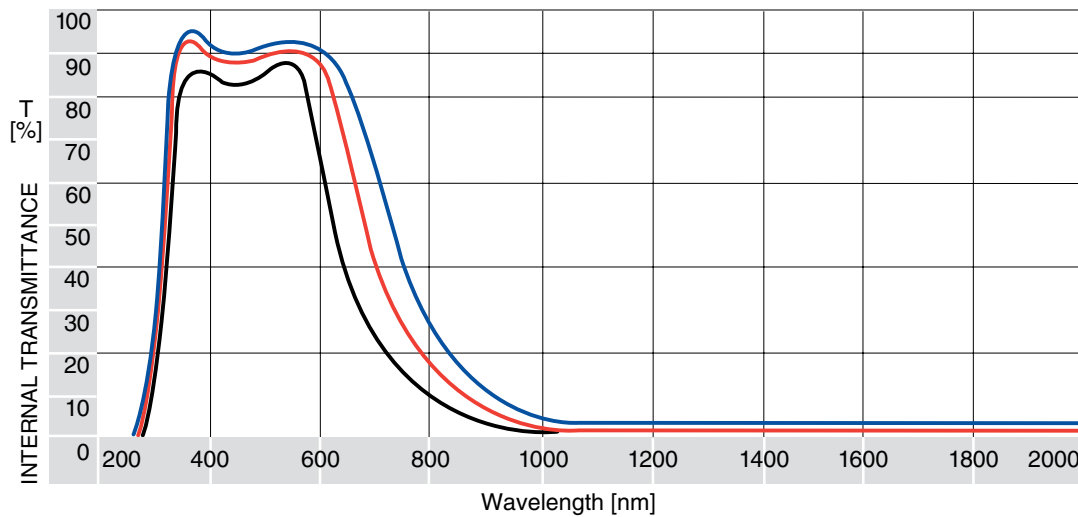
TYPICAL INTERNAL TRANSMITTANCE  
ULTRA-VIOLET TRANSMITTING FILTERS  
(3mm thick)

077-2330 ———  
077-2340 ———  
077-2350 - - - -

### Ultra-Violet Transmitting Filters

Type	Wavelength (nm)	Price	PART NUMBER
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Ultra-Violet Transmitting	330.0		077-2330
Ultra-Violet Transmitting	340.0		077-2340
Ultra-Violet Transmitting	350.0		077-2350



TYPICAL INTERNAL TRANSMITTANCE  
HEAT ABSORBING FILTERS (3mm thick)

077-2560 ——— 077-2550 ———  
077-2570 ———

### Heat Absorbing Filters

Type	Wavelength (nm)	Price	PART NUMBER
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Heat Absorbing	—		077-2550
Heat Absorbing	—		077-2560
Heat Absorbing	—		077-2570

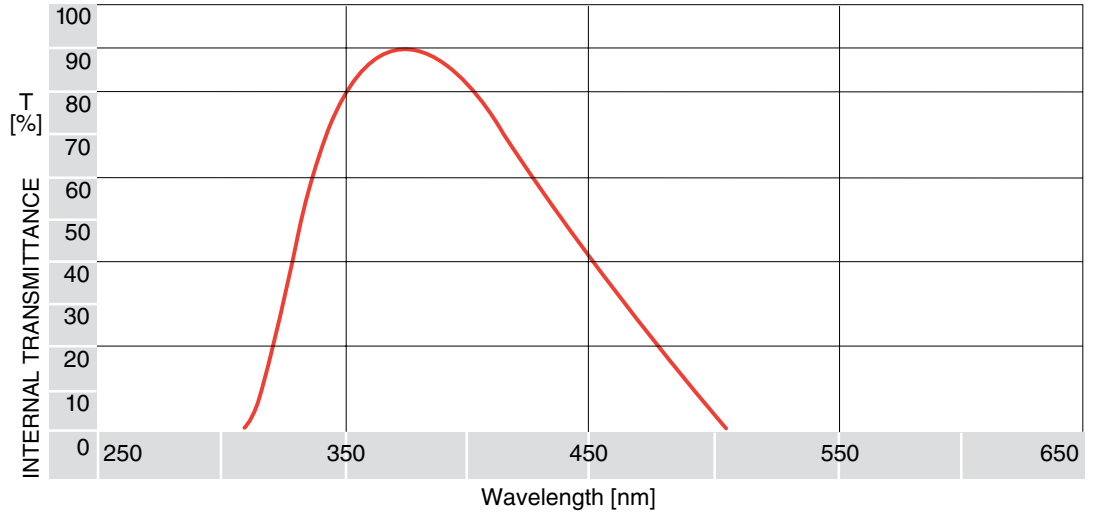
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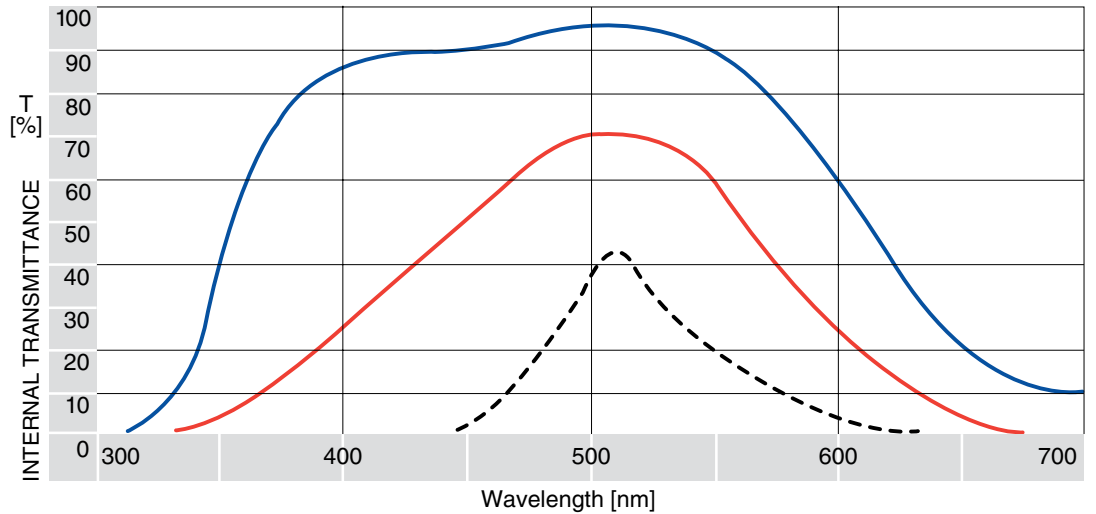
**Filter & Apertures**



TYPICAL INTERNAL TRANSMITTANCE  
VIOLET/BLUE GLASS FILTERS (3mm thick) 077-3330

**Colored Glass Filters**

Type	Wavelength (nm)	Price	PART NUMBER
Violet Glass	380.0		077-3330



TYPICAL INTERNAL TRANSMITTANCE  
GREEN GLASS FILTERS (3mm thick) 077-3550 077-3580 077-3560

**Colored Glass Filters**

Type	Wavelength (nm)	Price	PART NUMBER
Green Glass	500.0		077-3550
Green Glass	520.0		077-3560
Green Glass	-		077-3580

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