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## 50/50.8mm Sq. Hoya/SCHOTT Colored Glass Longpass Filter Kit (8 Filters)

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Stock #17-014 [CONTACT US](#)

⊖ 1 ⊕ \$777<sup>00</sup>

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### Product Downloads

### General

**Filters Included :**  
[Hoya L-37](#), [SCHOTT N-WG295](#), [SCHOTT N-WG305](#),  
[SCHOTT N-WG320](#), [SCHOTT GG400](#), [SCHOTT](#)  
[GG420](#), [SCHOTT GG435](#), [SCHOTT GG455](#)

**Type:**  
 Longpass Filter

### Physical & Mechanical Properties

**Dimensions (mm):**  
 SCHOTT: 50.0 x 50.0  
 Hoya: 50.8 x 50.8

Protective as needed **Bevel:**

## Optical Properties

Colored Glass **Substrate:**

Uncoated **Coating:**

Multiple Colors **Color:**

UV-MS **Wavelength:**

## Regulatory Compliance

[View](#) **Certificate of Conformance:**

## Product Details

- UV, MS and IR Pass Ranges
- MS Can Be Used for Color Bandpass
- Also Available [Mounted](#)

Hoya Colored Glass Longpass Filters feature a colored glass substrate. These filters are manufactured from substrates with inherently different absorption and transmission properties across a specific spectral region. Hoya Colored Glass Longpass Filters have UV, MS, and IR pass ranges. A longpass filter has low transmission in the shortwave region (stopband) and high transmission in the longwave region (passband). These filters are also available in a [mounted](#) version.

### Longpass Filter Kits

Longpass filter kits are available in three different options: UV-MS, MS, or MS-NIR. Each kit contains 8 filters in either 12.5mm diameter, 1" diameter, or 2" square.

UV-MS Kit Contains: WG 295, WG 305, WG 320, L 37, GG 400, GG 420, GG 435, GG 455

MS Kit Contains: GG 475, GG 495, OG 515, OG 530, OG 550, OG 570, OG 590, RG 610

MS-NIR Kit Contains: RG 630, RG 665, RG 695, RG 715, RG 780, RG 830, RG 850, RG 1000

### Complete Filter Kits

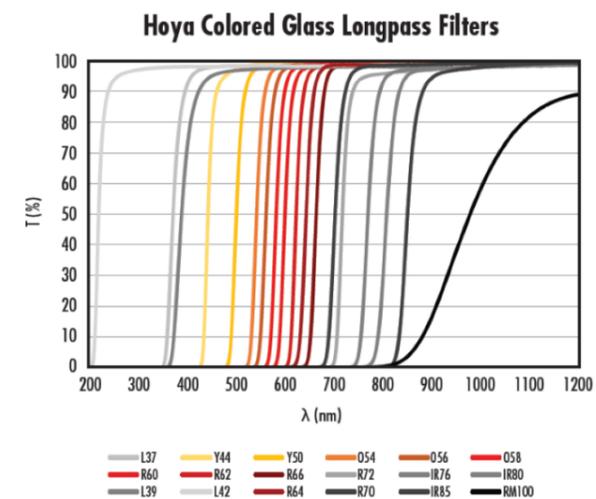
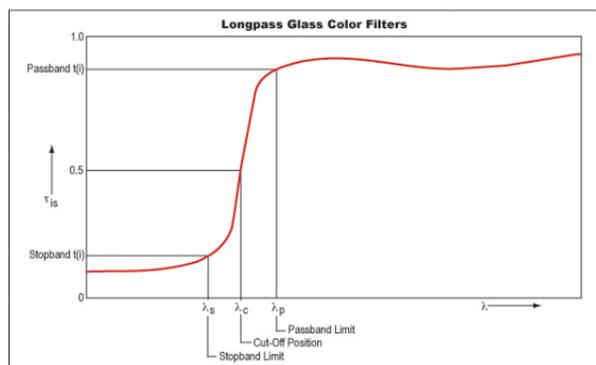
Complete filter kits are available with 12.5mm diameter, 50.0mm diameter, 1" diameter, or 2" square filters. Each kit contains all 37 Longpass Glass Color Filter types.

Note: Due to supply chain issues, our kits may be delivered with an alternative packaging solution in place of a wooden box. For any questions, please contact [kits@edmundoptics.com](mailto:kits@edmundoptics.com).

## Filter Simulation Software

[Click here](#) to download HOYA's colored glass filter simulation software which can be used to calculate the internal transmittance and external transmission of each HOYA glass type. The software can simulate the performance of individual filters with user specified thickness.

## Technical Information



$\lambda_s$	limit of stopband: specified at 0.001% internal transmittance
$\lambda_c$	cut-off position: specified at 50% internal transmittance
$\lambda_p$	limit of the passband
$t_{ip}$	internal spectral transmittance at $\lambda_p$
$\rho$	density
$T_g$	transformation temperature

