

VIS 25.4mm Dia Longpass Filter Kit

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S\$371⁸⁸

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SPECIFICATIONS

General

Filters Included :
[GG475](#), [GG495](#), [OG515](#), [OG530](#), [OG550](#), [OG570](#),
[OG590](#), [RG610](#)

Longpass Filter

Type:

Physical & Mechanical Properties

25.40

Diameter (mm):

Protective as needed

Bevel:

Optical Properties

Colored Glass

Substrate: ☐

Uncoated

Coating:

Multiple Colors

Color:

VS

Wavelength:

Regulatory Compliance

Compliant

Reach 181:

Exempt

RoHS 2015:

View

Certificate of Conformance:

PRODUCT DETAILS

- UV, VS and IR Pass Ranges
- VS 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, VS, 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-VIS, VIS, or VIS-NIR. Each kit contains 8 filters in either 12.5mm diameter, 1" diameter, or 2" square.

UV-VIS Kit Contains: WG 295, WG 305, WG 320, L 37, GG 400, GG 420, GG 435, GG 455
VIS Kit Contains: GG 475, GG 495, OG 515, OG 530, OG 550, OG 570, OG 590, RG 610
VIS-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.

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

The graph illustrates the transmittance characteristics of longpass glass color filters. The y-axis represents transmittance $t(\lambda)$ from 0 to 1.0, and the x-axis represents wavelength λ . The red curve shows a sharp increase in transmittance at the cut-off position λ_c . The stopband limit is at λ_s and the passband limit is at λ_p . The internal spectral transmittance at λ_p is denoted as t_p .

λ_s	limit of stopband: specified at 0.001% internal transmittance
λ_c	cut-off position: specified at 50% internal transmittance
λ_p	limit of the passband
t_p	internal spectral transmittance at λ_p
ρ	density
T_g	transformation temperature

