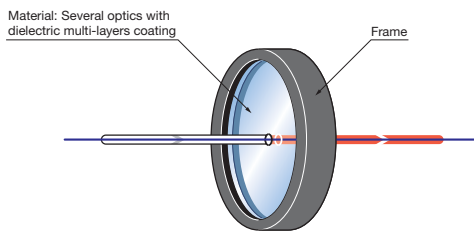


Filters are designed to divide sharply the wavelength color by transmitting the short wavelength and cutting off the long wavelength. Fit for Bio-imaging and flow cytometry applications.

- In the range of blocking wavelength, it has an excellent light-blocking properties as OD5, and in the transmission range it is a filter with a transmittance of more than 90%.
- This filter has a transmittance of more than 90% in the transmission band. Because of the dielectric multilayer coating, there is almost no absorption of light by the coating.



Schematic



Specifications	
Coating	Dielectric multi-layer coating
Incident angle	0°
Surface Quality (Scratch-Dig)	60-40

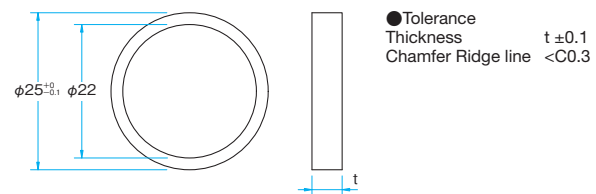
Guide

- ▶ Please contact our Sales Division for customized products. (customized of outer diameter, wavelength characteristic, etc.)
- ▶ Please contact our Sales Division if you require a wavelength characteristics of broadband data or more detailed data.

Attention

- ▶ If the light incident angle is other than 0 degrees, the transmittance characteristics may change. In normal use, when the incident angle changes, the wavelength may shift to the long wavelength side.

Outline Drawing (in mm)



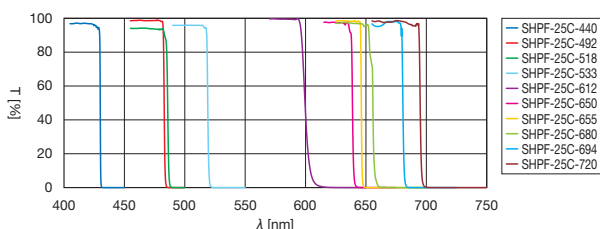
Specifications

Part Number	High transmittance range		Transition wavelength [nm]	Cutoff range		Thickness t [mm]
	wavelength [nm]	transmittance [%]		wavelength [nm]	optical density (average)	
SHPF-25C-440	380 – 427	> Average 93	430	440 – 1010	6	3.5
SHPF-25C-492	400 – 480	> Average 90	483	492 – 1120	6	3.5
SHPF-25C-518	445 – 485	> Average 90	488	518 – 750	5	3.5
SHPF-25C-533	380 – 520	> Average 90	522	533 – 760	6	3.5
SHPF-25C-612	509 – 591	> Average 90	599	612 – 730	4	3.5
SHPF-25C-650	360 – 634	> Average 85	638	650 – 1120	5	3.5
SHPF-25C-655	531 – 642	> Average 93	646	655 – 800	6	3.5
SHPF-25C-680	350 – 650	> Average 90	654	680 – 1080	6	3.5
SHPF-25C-694	481 – 676	> Average 93	681	694 – 955	5	3.5
SHPF-25C-720	350 – 690	> Average 90	698	720 – 1100	6	3.5
SHPF-25C-750	380 – 720	> Average 90	727	750 – 1100	6	3.5
SHPF-25C-770	380 – 740	> Average 90	747	770 – 1400	6	3.5
SHPF-25C-775	481 – 756	> Average 93	761	775 – 1120	6	3.5
SHPF-25C-790	380 – 760	> Average 90	765	790 – 1400	6	3.5
SHPF-25C-842	485 – 831	> Average 95	835	842 – 1050	6	3.5
SHPF-25C-890	380 – 860	> Average 90	875	890 – 1400	5	3.5
SHPF-25C-945	600 – 935	> Average 93	936	945 – 1120	6	3.5
SHPF-25C-950	430 – 908	> Average 90	912	950 – 1100	6	3.5

Typical Transmittance Data

T: Transmission

SHPF-440 – 720



SHPF-750 – 950

