

Long Pass Filters | LOPF



Application Systems

Optics & Optical Coatings

Opto-Mechanics

Bases

Manual Stages

Actuators & Adjusters

MotORIZED Stages

Light Sources & Laser Safety

Index

Guide

Mirrors

Beamsplitters

Polarizers

Lenses

Multi-Element Optics

Filters

Prisms

Substrates/Windows

Optical Data

Maintenance

Selection Guide

ND Filters

Colored Glass Filters

Dielectric Filters

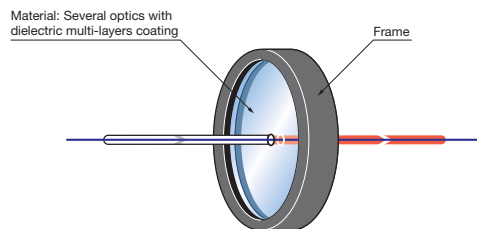
EtaIon

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%.
- Because it is a 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

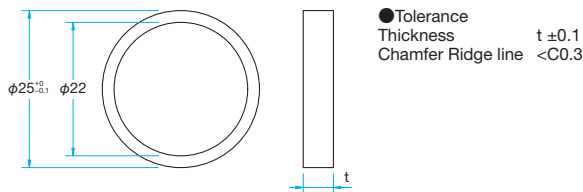
- ▶ Please contact our Sales Division for customized products. (customized of outer diameter, wavelength characteristic, etc.)
- ▶ Please contact our Sales Division if you require a wavelength characteristics of broadband data or more detailed data.

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)



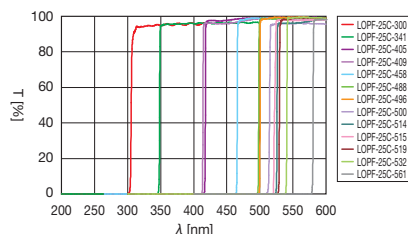
Specifications

Part Number	High transmittance range		Transition wavelength [nm]	Cutoff range		Thickness t [mm]
	wavelength [nm]	transmittance [%]		wavelength [nm]	optical density (average)	
LOPF-25C-300	308 - 420	> Average 85	306	200 - 300	5	5.0
LOPF-25C-341	350 - 500	> Average 90	347	200 - 341	5	3.5
LOPF-25C-405	421.5 - 900	> Average 93	418	270 - 405	5	3.5
LOPF-25C-409	417 - 1100	> Average 93	415	270 - 409	5	3.5
LOPF-25C-458	470.7 - 900	> Average 93	466	270 - 458	5	3.5
LOPF-25C-488	504.7 - 900	> Average 93	500	270 - 488	5	3.5
LOPF-25C-496	503 - 1100	> Average 93	501	270 - 496	5	3.5
LOPF-25C-500	519 - 700	> Average 90	515	300 - 500	5	3.5
LOPF-25C-514	529.4 - 900	> Average 93	526	270 - 514	5	3.5
LOPF-25C-515	525 - 800	> Average 90	522	340 - 515	6	3.5
LOPF-25C-519	534 - 653	> Average 92	530	300 - 519	6	3.5
LOPF-25C-532	546.9 - 900	> Average 93	542	280 - 532	5	3.5
LOPF-25C-561	577.1 - 900	> Average 93	572	300 - 561	6	3.5
LOPF-25C-593	604 - 1100	> Average 93	601	270 - 593	5	3.5
LOPF-25C-635	660 - 1200	> Average 93	655	300 - 635	6	3.5
LOPF-25C-715	725 - 1200	> Average 93	723	290 - 715	5	3.5
LOPF-25C-736	761 - 850	> Average 90	754	300 - 736	4	3.5
LOPF-25C-785	812.1 - 1200	> Average 93	805	270 - 785	5	3.5
LOPF-25C-800	815 - 915	> Average 90	812	635 - 800	6	3.5
LOPF-25C-834	842 - 935	> Average 97	840	790 - 834	5	3.5
LOPF-25C-1020	1064 - 1087	> Average 93	1057	400 - 1020	5	3.5

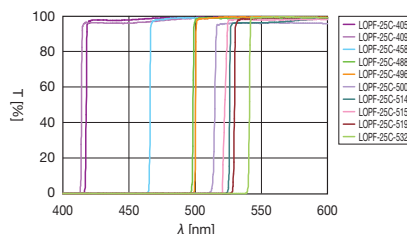
Typical Transmittance Data

T: Transmission

LOPF-267 - 561



LOPF-405 - 532 (Enlargement)



LOPF-593 - 1020

