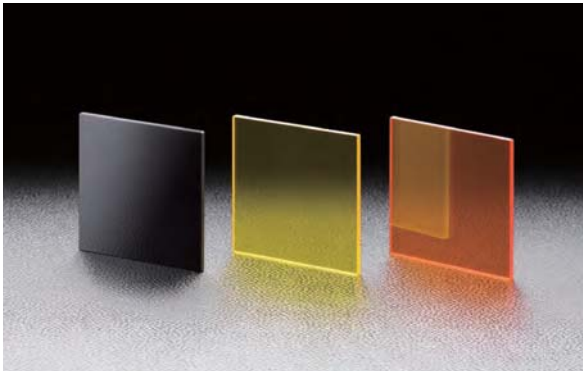


# Short Wave Cutoff Filters | SCF

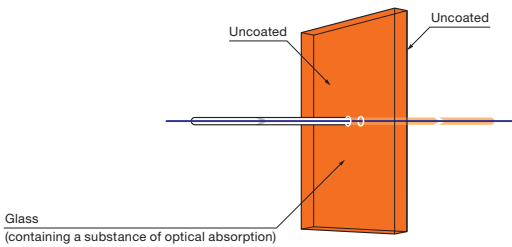


Longpass filter that cut the short wavelength and let the long wavelength transmit. Primarily used for cutting the unused wavelength like the UV light when doing inspection and measurement experiments.

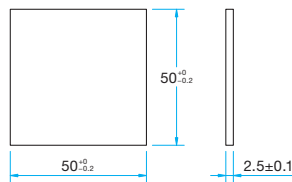
- The cut wavelength range is well absorbed without leaking of transmittance light.
- Can select the transmitted light with an accuracy notch as accurate as 10nm to 20nm.
- The transmitted wavelength range has low absorption and no ripple, even at 2000nm with no ripple transmittance is present.



### Schematic



### Outline Drawing (in mm)



### Guide

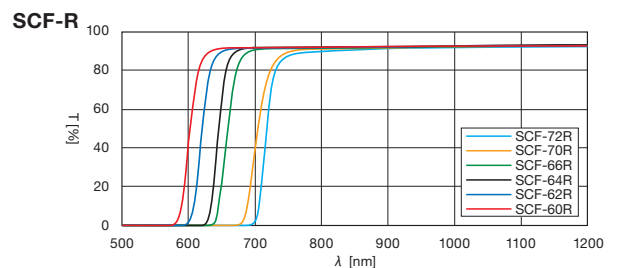
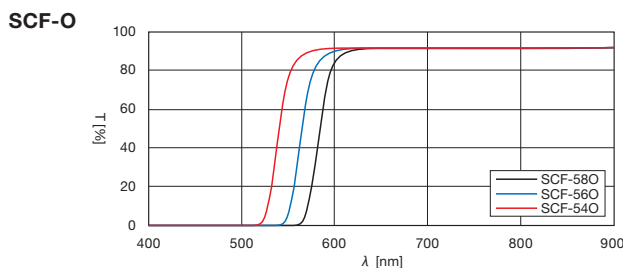
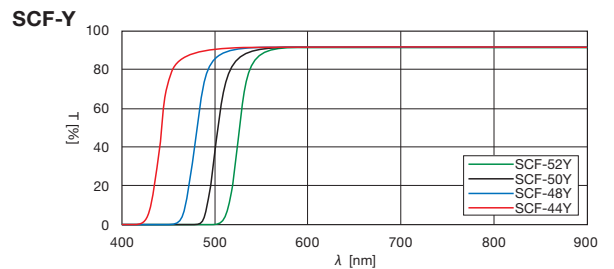
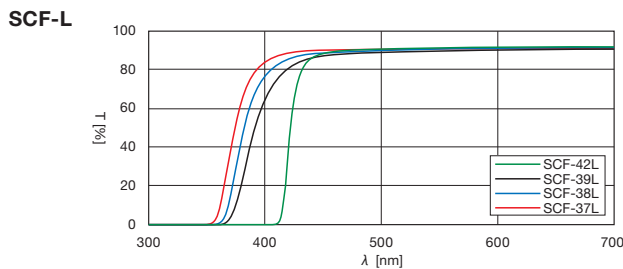
- ▶ For Dichroic filter with smaller wavelength slope we recommend the (model SDM) in our catalog.
- ▶ We can provide custom filters not mentioned on-line or in our catalog, please contact our Sales Division with your requests.

### Attention

- ▶ The absorption wavelength range can not be used with high power laser and high energy pulsed laser.
- ▶ There is no coating on both surfaces of the filter and there is a transmission loss of about 10%.

370 – 720nm			
Part Number	Transition wavelength $\lambda_T$ [nm]	Transition Interval $\Delta\lambda$ [nm]	Color tone
SCF-50S-37L	370±5	<35	Colorless
SCF-50S-38L	380±5	<35	Colorless
SCF-50S-39L	390±5	<35	Colorless
SCF-50S-42L	420±5	<25	Colorless
SCF-50S-44Y	440±5	<25	Yellow
SCF-50S-48Y	480±5	<25	Yellow
SCF-50S-50Y	500±5	<25	Yellow
SCF-50S-52Y	520±5	<25	Yellow
SCF-50S-54O	540±5	<25	Orange
SCF-50S-56O	560±5	<25	Orange
SCF-50S-58O	580±5	<25	Orange
SCF-50S-60R	600±5	<25	Red
SCF-50S-62R	620±5	<25	Red
SCF-50S-64R	640±5	<35	Red
★SCF-50S-66R	660±5	<35	Red
SCF-50S-70R	700±10	<45	Black
SCF-50S-72R	720±10	<45	Black

### Typical Transmittance Data T: Transmission



### Compatible Optic Mounts

FHS-50 / FH-50

- 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
- Diffusers
- Colored Glass Filters
- Dielectric Filters
- Etalon