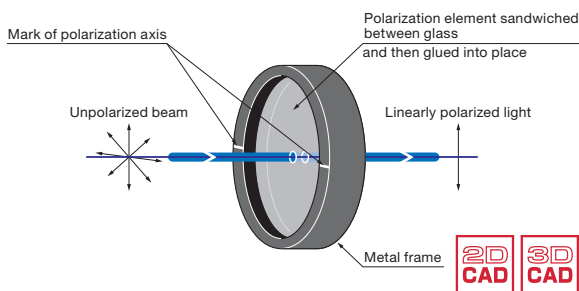


By the use of dichroic dye film, a good linear polarization can be obtained in a wide range. The sheet polarizer can be used in the basic polarization experiments which do not require high precision, and adjustment of the light intensity.

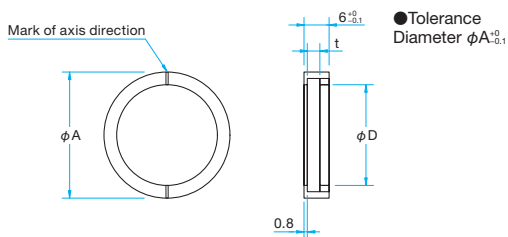
- Since the polarizing film is sandwiched between the protective glass plate, it hardly gets scratched, and dirt can be wiped off.
- Because it is mounted in the frame, the handling of the optics and mounting in the holder is easy.
- There are products offer for three wavelength ranges, Visible, UV and Near Infrared.
- Since the anti-reflection film is applied on both sides the stray light and back reflection to the light source is reduced.



### Schematic



### Outline Drawing



### Specifications

Material	Dichroic dye film Sheet glass (Quartz glass for NSPFU) Film laminated between optical glasses
Coating	Anti-reflection coating on both surfaces
Material of metal frame	Aluminum Finishing: Black anodized

### Guide

- ▶ A sheet polarizer other than the size listed on-line or in our catalog, or without the frame are also available.
- ▶ If there is a request for specific transmittance, extinction ratio or wavelength range, please contact our Sales Division.
- ▶ Glan Thompson prism (GTPC) with high transmittance and high extinction ratio are also available.

### Attention

- ▶ A change in the incident angle may also change the extinction ratio of the linearly polarized transmitted light.
- ▶ Separation angle will vary depending on the wavelength. Please confirm the wavelength characteristic graph for separation angle.
- ▶ Because of natural calcite crystals, there are individual differences, and variations in quality.

### 400 – 700nm

Part Number	Wavelength Range [nm]	Diameter of frame $\phi A$ [mm]	Clear aperture $\phi D$ [mm]	Thickness t [mm]
SPF-30C-32	400 – 700	$\phi 30$	$\phi 24$	3
SPF-50C-32	400 – 700	$\phi 50$	$\phi 44$	3

### 320 – 400nm

Part Number	Wavelength Range [nm]	Diameter of frame $\phi A$ [mm]	Clear aperture $\phi D$ [mm]	Thickness t [mm]
NSPFU-30C	320 – 400	$\phi 30$	$\phi 24$	2.4

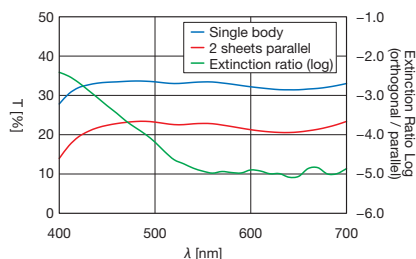
### 760 – 2000nm

Part Number	Wavelength Range [nm]	Diameter of frame $\phi A$ [mm]	Clear aperture $\phi D$ [mm]	Thickness t [mm]
SPFN-30C-26	760 – 2000	$\phi 30$	$\phi 24$	3

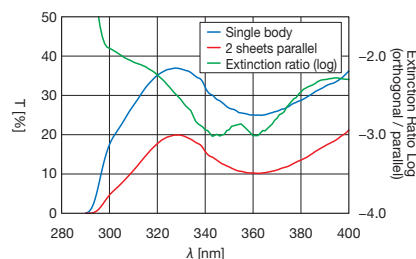
### Typical Transmittance Data

T: Transmission

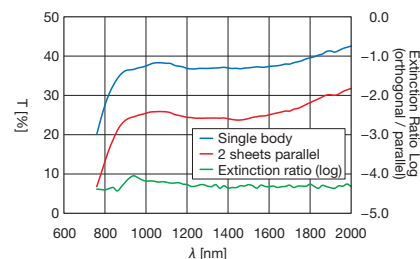
#### SPF-32



#### NSPFU



#### SPFN



### Compatible Optic Mounts

PH-30-ARS / PH-50-ARS / SPH-30-ARS / SPH-50-ARS