

Reflective Stepping Variable ND Filter



Application Systems

Optics & Optical Coatings

Opto-Mechanics

Bases

Manual Stages

Actuators & Adjusters

Motoeized **Stages**

Light Sources & Laser Safety

Index

Guide Mirrors

Beamsplitters

Polarizers

Multi-Element Optics

Filters

Prisms

Substrates/Windows

Optical Data

Maintenance

Selection Guide

ND Filters

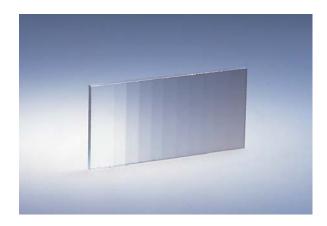
Diffusers Colored Glass Filters

Dielectric Filters

Etalon

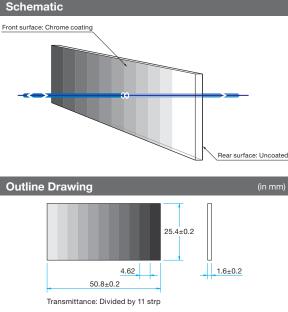
For adjusting the transmitting light at equal intervals of optical density. Fit for densitometer and colorimeter calibration use.

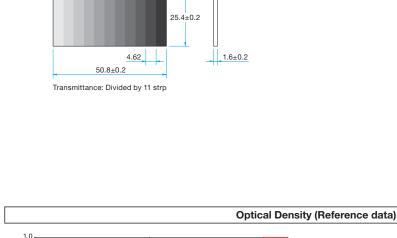
- Possible to visually select and use 11 steps of optical density on one single plate.
- The chrome thin coating applied is design to adjust the laser spot power.
- The optical density is shows only minimal change across the visible wavelength range.

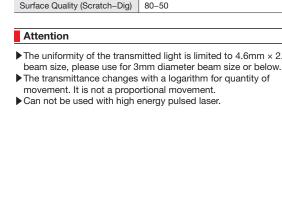


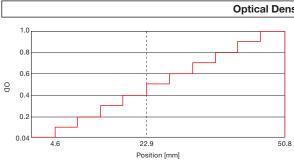
Specifications						
Part Number	SND-12					
Material	Soda Lime Glass					
Surface flatness of substrate	Both side: glossy surface (no polishing)					
Coating	Cr (Chrome)					
Wavelength Range	400 – 700nm					
Transmittance	10 – 91.2% (Divided by 11 step)					
Surface Quality (Scratch-Dig)	80–50					

- ▶ The uniformity of the transmitted light is limited to 4.6mm × 2.5mm
- ▶ The transmittance changes with a logarithm for quantity of









Position and relation of transmittance

Position [mm]	2.31	6.93	11.55	16.17	20.79	25.41	30.03	34.65	39.27	43.89	48.51
Optical density (OD)	0.04	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
Transmittance [%]	91.2	79.4	63.1	50.1	39.8	31.6	25.1	20.0	15.8	12.6	10.0

Compatible Optic Mounts

CHA-60 / FHS-50



OD: Optical density