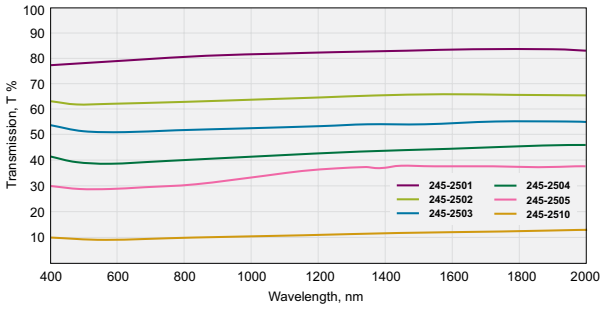
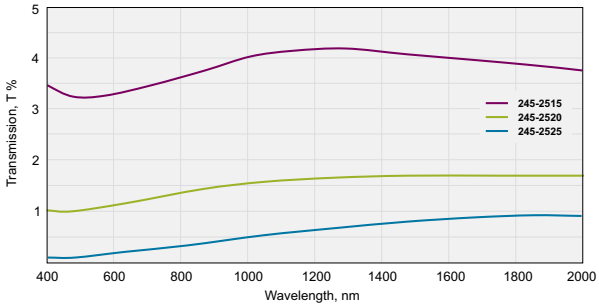
NEUTRAL DENSITY REFLECTIVE TYPE FILTERS AT 400-2000 nm

Neutral density reflective type filters of 1'' (25.4 mm) size with optical density that varies from 0.1 to 2.5 are available.

Neutral density filters of Corning 7059 glass provide spectrally uniform attenuation from 400 nm to 2000 nm.

The reflective coatings enable to reduce thermal effects when these filters are used with moderate power lasers.





SPECIFICATIONS

Glass Material	Corning 7059
Surface Quality	40-20 scratch & dig (MIL-PRF-13830B)
Surface Flatness	λ @ 633 nm
Parallelism	<2 arcmin
Outer Diameter	25.4 mm +0.0/-0.2 mm
Thickness	1.1 mm ± 0.1 mm
Coating	Reflective
Laser Damage Threshold	20 mJ/cm² (10 ns pulse)
Design Wavelength	400-2000 nm
Optical Density Tolerance	±10% Nominal

Catalogue Number	Optical Density	Transmission T, % @ 550 nm	Price, EUR
245-2501	0.1	79	29
245-2502	0.2	63	29
245-2503	0.3	50	29
245-2504	0.4	40	29
245-2505	0.5	32	29
245-2510	1.0	10	29
245-2515	1.5	3	29
245-2520	2.0	1	29
245-2525	2.5	0.3	29

RELATED PRODUCTS

Plate Clamp 830-0055
See page 8.52

Universal Plate Holder 830-0075
See page 8.53

Variable Wheel Attenuator 990-0604-02
See page 7.27

Filters Holder with 90° Flip 990-0400
See page 7.30