



Neutral Density Filter - Technical Data -

CINOGY's neutral density filters allow broadband attenuation for a spectral range from VIS to NIR. Due to their excellent surface quality the absorptive and reflective filters enable precise beam attenuation for low power applications. The level of attenuation is specified by the optical density. Filters with different optical densities can be combined.

	Reflective	Absorptive	Absorptive AR
	NDR-0.3 - NDR-30	NDA-0.3 - NDA-50	NDA-0.3 - NDA-50
Spectral range:	200nm - 2100nm	400nm - 1700nm	400nm - 700nm/700nm - 1200nm
Optical density*:	0.3 / 1.0 / 2.0 / 3.0	0.3 / 1.0 / 2.0 / 3.0 / 4.0 / 5.0	0.3 / 1.0 / 2.0 / 3.0 / 4.0 / 5.0
Material:	UV-Fused silica (Coating: Metal)	Schott glass	Schott glass (AR Coating)
Flatness:	1λ @ 300nm	λ/4 @ 632.8nm	λ/4 @ 632.8nm
Scratch-Dig:	40 - 20	40 - 20	40 - 20
Parallelism:	3arcmin	10arcsec	10arcsec
Optical density tolerance:	±5%	±5%	±5%
Power (P _{max}):	< 1W	< 1W	< 1W
Intensity (I _{max}):	10W/cm ²	5W/cm ²	5W/cm ²
Diameter:	Ø=25mm/25.4mm / Ø=50mm/50.8mm	Ø=25mm/25.4mm / Ø=50mm/50.8mm	Ø=25mm/25.4mm / Ø=50mm/50.8mm
Filter adapter:	C-Mount thread / Filter thread	C-Mount thread / Filter thread	C-Mount thread / Filter thread

* Different optical densities on request

Design and specification of the described product(s) are subject to change without notice.

