



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. A filter adapter is available to mount the filters on the CinCam aperture.

	Reflective ND filter	Absorptive ND filter
	NDR-10 / NDR-20 / NDR-30 / NDR-40	NDA-10 / NDA-20 / NDA-30 / NDA-40
Optical density*:	1.0 / 2.0 / 3.0 / 4.0	1.0 / 2.0 / 3.0 / 4.0
Spectral range:	200nm - 2100nm	400nm - 700nm / 700nm - 1200nm
Material:	UV-Fused silica (Coating: Metal)	Schott glass
Flatness:	1 λ @ 300nm	$\lambda/10$ @ 632.8nm
Scratch-Dig:	40 - 20	40 - 20
Parallelism:	3arcmin	10arcsec
Optical density tolerance:	$\pm 5\%$	$\pm 5\%$
Power (P_{max}):	< 1W	< 1W
Intensity (I_{max}):	0.75W/cm ²	1W/cm ²
Diameter:	$\varnothing=25\text{mm}/25.4\text{mm}$	$\varnothing=25\text{mm}/25.4\text{mm}$
Operating temperature:	< 100°C	< 100°C
Filter threads:	Filter thread / Filter mount	Filter thread / Filter mount
Filter adapter:	C-Mount thread / Filter thread	C-Mount thread / Filter thread

* other optical densities on request

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

