

ND1.0

ND 1.0 filter in SM1-threaded stackable holder. Includes C-mount adaptor ring.



KEY FEATURES

MANAGE THE LASER POWER

CMOS sensors have low saturation levels as well as low damage thresholds. It is thus very important that you control your laser power to get the best measurement possible and avoid damaging the BEAMAGE camera.

STACK AND ATTENUATE AS MUCH AS YOU NEED

These filters reduce the intensity of all wavelengths without affecting the wavefront of the beam or distorting the image. Many filters can be stacked directly on each other.

READY TO USE WITHIN MINUTES

Each ND filter comes with a threaded adaptor so you can mount it on the BEAMAGE camera.



SPECIFICATIONS

MEASUREMENT CAPABILITIES

Spectral range	400 - 1595 nm
Transmittance	~10%
Equivalent attenuation	1/10
Parallelism	< 3 arcmin
Optical density tolerance	± 5%
Transmitted wavefront error	< $\lambda/10$ @ 633 nm
Surface quality	40-20 Scratch-Dig
Surface flatness	< $\lambda/4$

DAMAGE THRESHOLDS

Maximum average power density	100 W/cm ²
Maximum energy density	3 J/cm ²
Maximum power	1 W

PHYSICAL CHARACTERISTICS

Aperture diameter	22.5 mm
Dimensions	30.5Ø x 11.4D mm
Weight	0.04 kg
Mounting thread	SM1
Clear aperture	90% of area
Adaptor included	SM1 / C-Mount
Dimensional tolerance	+0.0/-0.25 mm
Substrate	NG4

ORDERING INFORMATION

ND1.0	201045
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INTERESTED IN THIS PRODUCT?

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