

## ND1.0-FOCUS

ND 1.0 filter in SM2-threaded stackable holder.



### PRODUCT FAMILY 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.

## 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       |

### DAMAGE THRESHOLDS

|                               |                       |
|-------------------------------|-----------------------|
| Maximum average power density | 100 W/cm <sup>2</sup> |
| Maximum energy density        | 3 J/cm <sup>2</sup>   |
| Maximum power                 | 1 W                   |

### PHYSICAL CHARACTERISTICS

|                       |                |
|-----------------------|----------------|
| Aperture diameter     | 48 mm          |
| Dimensions            | 56Ø x 11.4D mm |
| Weight                | 0.04 kg        |
| Mounting thread       | SM2            |
| Clear aperture        | 90% of area    |
| Dimensional tolerance | +0.0/-0.25 mm  |
| Substrate             | NG4            |

### ORDERING INFORMATION

|             |        |
|-------------|--------|
| ND1.0-FOCUS | 203404 |
|-------------|--------|

Specifications are subject to change without notice. Refer to the user manual for complete specifications.

## INTERESTED IN THIS PRODUCT?

GET A QUOTE

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