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1.0 OD, 22mm CA, C-Mount Absorptive ND Filter



C-Mount Absorptive Neutral Density (ND) Filters

Stock #13-021 [CONTACT US](#)

− 1 + €103⁰⁰

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Volume Pricing	
Qty 1-10	€103,00 each
Qty 11-49	€91,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Neutral Density Filter **Type:**

#48-090 **Filter Included:**

Physical & Mechanical Properties

22.0 **Clear Aperture CA (mm):**

1.00 ±0.5	Thickness (mm):
<0.02	Parallelism (mm):
20.3	Total Length (mm):
16.3	Extension Length (mm):

Optical Properties

1.0 ±0.05	Optical Density OD (Average):
Hoya ND0.3	Glass/Filter Number:
ND Filter Glass	Substrate: <input type="checkbox"/>
Uncoated	Coating:
1.51	Index of Refraction (n _d):
80-50	Surface Quality:
10 (average)	Transmission (%):
400 - 700	Blocking Wavelength Range (nm):

Threading & Mounting

C-Mount	Thread Type:
30.0	Mount Diameter (mm):
#56-353	Mount Included:

Material Properties

490	Transformation Temperature (°C):
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Regulatory Compliance

View	Certificate of Conformance:
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Product Details

- Pre-mounted in Engraved C-Mount Housings
- Simplify Integration into Optical Systems
- Optical Densities from 0.15 to 2.5
- Also Available [Unmounted](#)

C-Mount Absorptive Neutral Density (ND) Filters are pre-mounted in C-Mount housings to simplify their integration into optical systems. Each housing is engraved with the stock number as well as the optical density of the filter for easy identification. ND filters with optical densities ranging from 0.1 to 2.5 are available. C-Mount Absorptive Neutral Density (ND) Filters are ideal for exposure control in imaging applications and in light control applications for measuring instruments. Please contact us if your application requires a custom C-Mount Absorptive Neutral Density (ND) Filter with one of our standard [Absorptive ND Filters](#).

Filter Simulation Software

[Click here](#) to download HOYA's colored glass filter simulation software which can be used to calculate the internal transmittance and external transmission of each HOYA glass type. The software can simulate the performance of individual filters with user specified thickness.