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1.0 OD, 50mm Sq., Precision Anti-Reflection (AR) Coated Absorptive ND Filter



Precision Absorptive Neutral Density (ND) Filters

Stock **#16-066** [CONTACT US](#)

-

1

+

£200⁰⁰

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Volume Pricing	
Qty 1-10	£200.80 each
Qty 11-25	£177.60 each
Qty 26-49	£163.20 each
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i Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:

Neutral Density Filter

Physical & Mechanical Properties

Dimensions (mm):

50.00 x 50.00 +0.00/-0.25

Length (mm):

50.00	
1.96 (nominal)	Thickness (mm):
50.00	Width (mm):
90	Clear Aperture (%):
<30	Parallelism (arcsec):

Optical Properties	
1.0 ±10% @ 550nm	Optical Density OD (Average):
SCHOTT NG4	Glass/Filter Number:
ND Filter Glass	Substrate: □
BBAR (450-700nm)	Coating:
1.51	Index of Refraction (n _d):
80-50	Surface Quality:
10.00	Transmission (%):
400 - 700	Blocking Wavelength Range (nm):
λ/4	Transmitted Wavefront, P-V:
R _{avg} ≤1.0% @ 450 - 700nm @ 0°	Coating Specification:

Material Properties	
483	Transformation Temperature (°C):

Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	REACH 241:

Product Details

- λ/4 Transmitted Wavefront Distortion
- AR Coated for 450 - 700nm
- Optical Densities from 0.1 to 4.0 Available
- Absorptive Neutral Density (ND) Filters Also Available

Precision Anti-Reflection (AR) Coated Absorptive Neutral Density (ND) Filters feature SCHOTT NG Colored Glass substrates that are polished to achieve a transmitted wavefront distortion (TWFD) specification of λ/4. These filters are coated on both surfaces with an anti-reflection (AR) coating from 450 - 700nm, reducing back reflections and enabling filter stacking with less losses and artifacts. Precision Anti-Reflection (AR) Coated Absorptive Neutral Density (ND) Filters are available with optical densities from 0.1 to 4.0 and can be stacked together to achieve custom optical densities to meet application requirements. These neutral density filters are available in 25mm diameter or 50mm square sizes and are ideal for machine vision, imaging, or low power laser applications.

Technical Information





Compatible Mounts