

0.5 OD, 50mm Dia., IR Neutral Density Filter



Infrared (IR) Neutral Density (ND) Filters

Stock **#64-359**

10 TO 12 DAYS

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1

+

₹74,700

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Qty 1-10
₹74,700
Qty 11+
₹67,050
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SPECIFICATIONS

General

Neutral Density Filter

Type:

Physical & Mechanical Properties	
50.00 ±0.2	Diameter (mm):
1.00 ±0.2	Thickness (mm):
<10	Parallelism (arcmin):
90	Clear Aperture (%):
Optical Properties	
0.5	Optical Density OD (Average):
Germanium (Ge)	Substrate: ☐
Metallic Based ND	Coating:
80-50	Surface Quality:
31.6	Transmission (%):
±2.0	Transmission Tolerance (%):
2000 - 14,000	Blocking Wavelength Range (nm):
2 - 14	Wavelength Range (µm):
3 - 5λ	Surface Flatness (P-V):
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	REACH 241:

PRODUCT DETAILS

- Spectrally Flat from 2µm to 14µm
- Precision Germanium Substrate

Infrared (IR) Neutral Density (ND) Filters feature excellent linearity over a wide spectral band of 2µm to 14µm. Ideal for thermal and medical imaging, the filters are available in a variety of densities and 2 size options. Attenuation is achieved by a metal alloy coating, which employs a combination of absorption and reflection to achieve the stated transmittance value. Infrared (IR) Neutral Density (ND) Filters feature a germanium substrate and are available in 12.5, 25, and 50mm diameters with varying transmissions and optical densities. All 5 optical densities are available as part of our Neutral Density Filter Kits. The kits are ideal for integration with our filter wheels.

Please contact our [Applications Engineering Department](#) to discuss custom size and density options.

TECHNICAL INFORMATION



