

100mm Diameter Unmounted 0.04-4.0 OD, Circular Variable Neutral Density (ND) Filter



Unmounted Circular Variable Neutral Density (ND) Filters

Stock #43-770 **CLEARANCE** 5 In Stock

1

£252.⁷⁶

ADD TO CART

Volume Pricing	
Qty 1+	£252.76 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads	
STEP:step	PDF Drawing:pdf
IGES:igs	eDrawing:eprt
EO Spec Sheet	Download All

General

Type: Neutral Density Filter	Linearity (%): ±5
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Physical & Mechanical Properties

Inner Diameter (mm): 25.4	Outer Diameter (mm): 100.0
Thickness (mm): 1.52 ±0.25	Parallelism (arcmin): ±3
Dimensional Tolerance (mm): ±0.10 ID, ±0.20 OD	

Optical Properties

Angle of Incidence (°): 0.00	Optical Density OD (Average): 0.04 - 4.0
Substrate: B270	Coating: Variable
Surface Quality: 60-40	Blocking Wavelength Range (nm): 400 - 700
Optical Density Tolerance (%): ±5	Coating Specification: Continuously Variable Inconel from 0 - 270°

Threading & Mounting

Mount: Unmounted	
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Regulatory Compliance

Reach 181: Compliant	RoHS 2015: Compliant
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Product Details

- Continuously Variable Over 270°
- Spectrally Flat from 400-700nm
- Mounted and Unmounted Versions Available

Circular Variable Neutral Density (ND) Filters are continuously variable over 270° of the filter. These filters provide linear attenuation of incident light by rotating the filter. Designed to be spectrally flat from 400 to 700nm, they provide excellent attenuation for spectrometers and other optical instruments. Circular Variable Neutral Density (ND) Filters, with a durable anodized aluminum mount, have an indicator arrow that accurately identifies the angular position of the filter for increased repeatability. The 50mm OD filters are available mounted or unmounted. The 360° rotating mount comes complete with a 4" Length, 0.5" Diameter stainless steel post.

Technical Information

Optical Density	Unmounted			Mounted
	25.4mm Outer Diameter (OD) 7.5mm Inner Diameter (ID)	50.0mm Outer Diameter (OD) 7.5mm Inner Diameter (ID)	100.0mm Outer Diameter (OD) 25.4mm Inner Diameter (ID)	50.0mm Outer Diameter (OD) 7.5mm Inner Diameter (ID)
0.04-1.0	#43-759	#43-763	#43-767	#54-534
0.04-2.0	#43-760	#43-764	#43-768	#54-535
0.04-3.0	#43-761	#43-765	#43-769	#54-536
0.04-4.0	#43-762	#43-766	#43-770	#54-537

Accessories

Note: Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

	Title	Compare	Stock Number	Price	Buy
MORE+	50mm Diameter Substrate for Circular Variable Filter		#47-376 CLEARANCE	£38.36 Request Quote	20+ In Stock <input type="text" value="1"/>

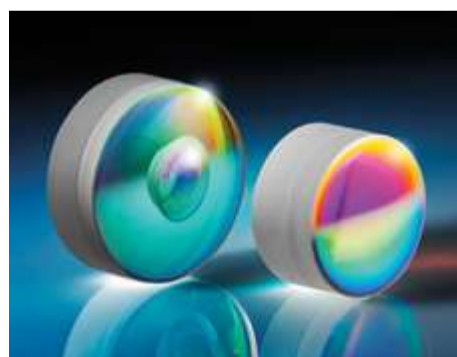
Frequently Purchased Together



#34-412 - 25mm Diameter 30R/70T, VIS λ/10 Plate Beamsplitter

£177.60

Qty



#45-803 - 25mm Dia. x 50mm FL, NIR II Coated, Achromatic Lens

£120.00

Qty



#49-359 - 25mm Dia. x 85mm FL, VIS-NIR Coated, Achromatic Lens

£108.80

Qty



#54-631 - 40mm Length, C-Mount Extension Tube

£42.00

Qty

Resources

Media Type

- Application Note
- FAQ
- Glossary
- Video

APPLICATION NOTE

Understanding
Neutral
Density Filters

FAQ

What is an ND
Filter?

FAQ

Can I place ND
filters back-to-
back and
increase...

FAQ

What is the
difference
between using
an absorptiv...

FAQ

How should I
orient my
reflective ND
or interferenc...

GLOSSARY

Continuously
Variable
Apodizing
Filter

[View More](#)