

# 50mm Diameter Unmounted 0.04-3.0 OD, Circular Variable Neutral Density (ND) Filter



Unmounted Circular Variable Neutral Density (ND) Filters

Stock **#43-765** **3 In Stock**

-

1

+

A\$568<sup>56</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | A\$568.56 each                |
| Qty 11-25      | A\$512.53 each                |
| Qty 26-49      | A\$486.16 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

## SPECIFICATIONS

General

Neutral Density Filter

Type:

Linearity (%):

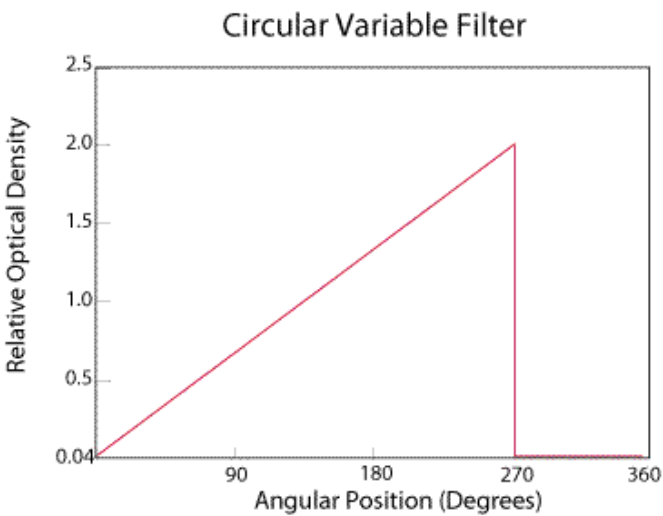
|                                             |                      |
|---------------------------------------------|----------------------|
| ±5                                          |                      |
| Physical & Mechanical Properties            |                      |
| 7.5                                         | Inner Diameter (mm): |
|                                             |                      |
| 50.0                                        | Outer Diameter (mm): |
|                                             |                      |
| 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 - 3.0                                  |                      |
| Substrate: <input type="text"/>             |                      |
| 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                                   |                      |
| Regulatory Compliance                       |                      |
| Reach 181:                                  |                      |
| Compliant                                   |                      |
| RoHS 2015:                                  |                      |
| Compliant                                   |                      |
| Certificate of Conformance:                 |                      |
| View                                        |                      |

## 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)<br>7.5mm Inner Diameter (ID) | 50.0mm Outer Diameter (OD)<br>7.5mm Inner Diameter (ID) | 100.0mm Outer Diameter (OD)<br>25.4mm Inner Diameter (ID) | 50.0mm Outer Diameter (OD)<br>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                                                 |
|                 |                                                         |                                                         |                                                           |                                                         |