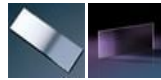


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OD 0.04 - 4.0, 76.2 x 25.4mm, Continuously Variable ND Filter



Stock **#63-048** **6 In Stock**

⊖ 1 ⊕ **S\$264⁰⁰**

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| Volume Pricing | |
|----------------|-------------------------------|
| Qty 1-10 | S\$264.60 each |
| Qty 11-25 | S\$238.00 each |
| Qty 26-49 | S\$225.40 each |
| Need More? | Request Quote |

Product Downloads

General

Neutral Density Filter **Type:**

Physical & Mechanical Properties

25.4 x 76.2 **Dimensions (mm):**

| | |
|-------------|----------------------------|
| 3.00 | Length (inches): |
| 76.20 | Length (mm): |
| 0.063 ±0.01 | Thickness (inches): |
| 1.60 ±0.25 | Thickness (mm): |
| 1.00 | Width (inches): |
| 25.40 | Width (mm): |
| Plate | Construction: |

Optical Properties

| | |
|--------------------|--|
| 0.00 | Angle of Incidence (°): |
| 0.04 - 4.0 | Optical Density OD (Average): |
| Float Glass | Substrate: <input type="checkbox"/> |
| Surface 1: Inconel | Coating: |
| 400 - 700 | Blocking Wavelength Range (nm): |

Regulatory Compliance

| | |
|---------------------------|------------------------------------|
| Compliant | RoHS 2015: |
| View | Certificate of Conformance: |

Product Details

- Continuous Linear Adjustment of Optical Density
- Use in Pairs to Control Beam Transmission
- Ideal for 400 - 700nm

Continuously Variable Neutral Density Filters are ideal for precise adjustments of spectrophotometers, monochromators, and lasers. Optical density varies linearly across the length of these continuously variable neutral density filters. These filters can be used in pairs to control transmission of an optical beam up to 25.4mm in diameter. Continuously Variable Neutral Density Filters are ideal for 400-700nm. The filters are available in 25.4 x 76.2mm dimensions, with varying optical densities.

Edmund Optics' Continuously Variable Neutral Density Filters are designed for dynamic light management. These filters feature a durable Inconel coating, delivering consistent spectral performance while enabling seamless light intensity control. Ideal for machine vision, optical spectroscopy, and dynamic imaging setups, they allow users to fine-tune transmission levels without the need to swap multiple fixed filters, simplifying complex experimental and production environments.

FAQ(s)

What is the optical density range of these Variable ND filters?

These filters offer a continuously adjustable optical density from OD 0.04 to OD 4.0. Before making a selection, check each filter's specifications.

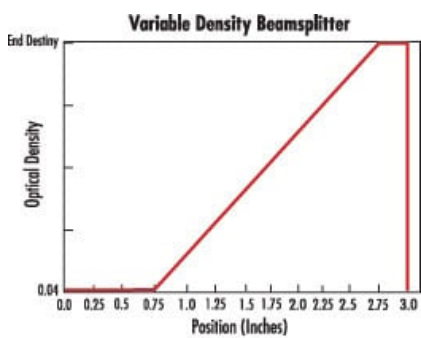
What applications are best suited for these Variable ND filters?

They are ideal for optical spectroscopy, machine vision systems, applications requiring dynamic light control, and general visible light experiments.

What materials are used in the construction of these Variable ND filters?

Each filter is constructed of a float glass substrate and coated with Inconel, offering excellent durability and consistent optical performance across the visible spectrum.

Technical Information



Compatible Mounts