

850nm CWL, 12.5mm Dia., High Transmission Traditional Coated 40nm Bandpass Filter



High Transmission Traditional Coated Bandpass Filters

Stock **#71-750** **3 In Stock**

-

1

+

€108<sup>15</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1+         | €108,15 each                  |
| Need More?     | <a href="#">Request Quote</a> |

 Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Type:

Bandpass Filter

Physical & Mechanical Properties

Diameter (mm):

|                                |                         |
|--------------------------------|-------------------------|
| 12.50 +0/-0.25                 |                         |
| 9.0                            | Clear Aperture CA (mm): |
| 5.90                           | Thickness (mm):         |
| Mounted in Black Anodized Ring | Construction:           |

Optical Properties

|                                         |                                          |
|-----------------------------------------|------------------------------------------|
| 850.00                                  | Center Wavelength CWL (nm):              |
| +10/-0                                  | Center Wavelength CWL Tolerance (nm):    |
| 40.00                                   | Full Width-Half Max FWHM (nm):           |
| ±8                                      | Full Width-Half Max FWHM Tolerance (nm): |
| 80                                      | Minimum Transmission (%):                |
| Traditional Coated                      | Coating:                                 |
| 1x10 <sup>-4</sup> avg. X-Ray to 1200nm | Blocking Wavelength Range (nm):          |

Environmental & Durability Factors

|            |                             |
|------------|-----------------------------|
| -50 to +70 | Operating Temperature (°C): |
|------------|-----------------------------|

Regulatory Compliance

|           |                             |
|-----------|-----------------------------|
| Compliant | RoHS 2015:                  |
| View      | Certificate of Conformance: |
| Compliant | REACH 241:                  |

PRODUCT DETAILS

- Passband Transmission up to 80%
- 441.6 to 1064nm Wavelength Options with 10, 20, and 40nm Bandwidths
- Ideal for Medical and Analytical Applications

High Transmission Traditional Coated Bandpass Filters are designed for situations where far-infrared blocking is not required, allowing for up to 80% transmission in the passband region and good blocking over the visible and NIR wavelength range. Featuring popular laser, mercury, biomedical, and analytical spectral lines, these filters cover a wide range of visible and NIR wavelengths. A hermetic seal and an anodized metal mount help maintain performance in high humidity environments and protect against chipping and scratching. High Transmission Traditional Coated Bandpass Filters are ideal for a range of scientific and medical applications such as spectral radiometry, medical diagnostics, chemical analysis, and Colorimetry. For applications requiring wider blocking ranges, [traditional coated bandpass filters](#) are available whereas applications requiring higher transmission above 90% are best served with [hard coated bandpass filters](#).