

[See all 168 Products in Family](#)

## 850nm CWL, 50mm Dia., High Transmission Traditional Coated 40nm Bandpass Filter



High Transmission Traditional Coated Bandpass Filters

Stock #71-752 **1 In Stock**

£440<sup>00</sup>

**ADD TO CART**

### Volume Pricing

Qty 1-10	£440.00 each
Qty 11-25	£374.00 each
Need More?	<a href="#">Request Quote</a>

ⓘ Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Bandpass Filter **Type:**

### Physical & Mechanical Properties

50.00 +0/-0.25 **Diameter (mm):**

45.0 **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](#).