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850nm CWL, 50mm Dia., High Transmission Traditional Coated 20nm Bandpass Filter



High Transmission Traditional Coated Bandpass Filters

Stock #71-749 **1 In Stock**

£440⁰⁰

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Volume Pricing	
Qty 1-10	£440.00 each
Qty 11-25	£374.00 each
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ⓘ 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):**

Construction:
Mounted in Black Anodized Ring

Optical Properties

850.00 **Center Wavelength CWL (nm):**

+2/-2 **Center Wavelength CWL Tolerance (nm):**

20.00 **Full Width-Half Max FWHM (nm):**

±4 **Full Width-Half Max FWHM Tolerance (nm):**

80 **Minimum Transmission (%):**

Traditional Coated **Coating:**

1x10⁻⁴ avg. X-Ray to 1200nm **Blocking Wavelength Range (nm):**

Environmental & Durability Factors

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

Regulatory Compliance

RoHS 2015:
[Compliant](#)

Certificate of Conformance:
[View](#)

REACH 241:
[Compliant](#)

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](#).