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500nm CWL, 50mm Dia., High Transmission Traditional Coated 40nm Bandpass Filter



High Transmission Traditional Coated Bandpass Filters

Stock #71-633 **1 In Stock**

⊖ 1 ⊕ £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):

Mounted in Black Anodized Ring Construction:

Optical Properties

500.00 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):

75 Minimum Transmission (%):

Traditional Coated Coating:

1x10⁻⁴ avg Xray to 800nm 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](#).