

550nm CWL, 50mm Dia., High Transmission Traditional Coated 10nm Bandpass Filter



High Transmission Traditional Coated Bandpass Filters

Stock #71-645 **1 In Stock**

⊖ 1 ⊕ A\$880⁰⁰

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Volume Pricing

Qty 1-10	A\$880.00 each
Qty 11-25	A\$748.00 each
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General

Bandpass Filter **Type:**

Physical & Mechanical Properties

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

45.0 **Clear Aperture CA (mm):**

Thickness (mm):

5.90

Construction:

Mounted in Black Anodized Ring

Optical Properties

Center Wavelength CWL (nm):

550.00

Center Wavelength CWL Tolerance (nm):

+3/-1

Full Width-Half Max FWHM (nm):

10.00

Full Width-Half Max FWHM Tolerance (nm):

±2

Minimum Transmission (%):

80

Coating:

Traditional Coated

Blocking Wavelength Range (nm):

1x10⁻⁴ avg Xray to 1000nm

Environmental & Durability Factors

Operating Temperature (°C):

-50 to +70

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](#).