

## 450nm CWL, 12.5mm Dia., High Transmission Traditional Coated 20nm Bandpass Filter



High Transmission Traditional Coated Bandpass Filters

Stock #71-610 **3 In Stock**

- 1 + A\$184.<sup>00</sup>

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### Volume Pricing

Qty 1-10	A\$184.00 each
Qty 11-25	A\$156.40 each
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### Product Downloads

### General

Bandpass Filter **Type:**

### Physical & Mechanical Properties

12.50 +0/-0.25 **Diameter (mm):**

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

**Thickness (mm):**

4.90

**Construction:**

Mounted in Black Anodized Ring

## Optical Properties

**Center Wavelength CWL (nm):**

450.00

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

+2/-2

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

20.00

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

±4

**Minimum Transmission (%):**

75

**Coating:**

Traditional Coated

**Blocking Wavelength Range (nm):**

1x10<sup>-4</sup> avg Xray to 800nm

## 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](#).