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## 450nm CWL, 50mm Dia., High Transmission Traditional Coated 20nm Bandpass Filter



High Transmission Traditional Coated Bandpass Filters

Stock #71-612 **1 In Stock**

⊖ 1 ⊕ **S\$770<sup>00</sup>**

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### Volume Pricing

Qty 1-10	<b>S\$770.00</b> each
Qty 11-25	<b>S\$654.50</b> each
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### Product Downloads

#### 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):**

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](#).