

## 514.5nm CWL, 50mm Dia., High Transmission Traditional Coated 10nm Bandpass Filter



High Transmission Traditional Coated Bandpass Filters

Stock **#71-636** **1 In Stock**

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**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

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

+2/-0 **Center Wavelength CWL Tolerance (nm):**

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

±2 **Full Width-Half Max FWHM Tolerance (nm):**

75 **Minimum Transmission (%):**

Traditional Coated **Coating:**

1x10<sup>-4</sup> 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:**

United States **Country of Origin:**

Edmund Optics India Private Limited **Imported By:**

## 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](#).