

[See all 168 Products in Family](#)

## 900nm CWL, 50mm Dia., High Transmission Traditional Coated 40nm Bandpass Filter



High Transmission Traditional Coated Bandpass Filters

Stock #71-761 **1 In Stock**

MRP ₹45,932

**Price inclusive of all taxes**

**ADD TO CART**

### Volume Pricing

Qty 1+	₹45,932 each
Need More?	<a href="#">Request Quote</a>

### 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

Center Wavelength CWL (nm):  
900.00

Center Wavelength CWL Tolerance (nm):  
+10/-0

Full Width-Half Max FWHM (nm):  
40.00

Full Width-Half Max FWHM Tolerance (nm):  
±8

Minimum Transmission (%):  
80

Coating:  
Traditional Coated

Blocking Wavelength Range (nm):  
1x10<sup>-4</sup> avg. X-Ray to 1200nm

## Environmental & Durability Factors

Operating Temperature (°C):  
-50 to +70

## Regulatory Compliance

RoHS 2015:  
**Compliant**

Certificate of Conformance:  
[View](#)

REACH 241:  
**Compliant**

Country of Origin:  
United States

Imported By:  
Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
Phone: +91-80-6845 0000

## 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](#).