

## 450nm CWL, 50mm Dia., High Transmission Traditional Coated 10nm Bandpass Filter



High Transmission Traditional Coated Bandpass Filters

Stock #71-609 **1 In Stock**

MRP ₹55,490

**Price inclusive of all taxes**

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Volume Pricing	
Qty 1-10	₹55,490 each
Qty 11-25	₹47,166 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):  
4.90

Construction:  
Mounted in Black Anodized Ring

## Optical Properties

Center Wavelength CWL (nm):  
450.00

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 (%):  
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](#)

Country of Origin:  
United States

Imported By:  
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## 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](#).