

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



High Transmission Traditional Coated Bandpass Filters

Stock #71-612 **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):**

5.90 Thickness (mm):

Mounted in Black Anodized Ring Construction:

## Optical Properties

450.00 Center Wavelength CWL (nm):

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

20.00 Full Width-Half Max FWHM (nm):

±4 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:

Imported By:  
Edmund Optics India Private Limited  
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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](#).