

## 550nm CWL, 50mm Dia., High Transmission Traditional Coated 10nm Bandpass Filter



High Transmission Traditional Coated Bandpass Filters

Stock **#71-645** **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

550.00 Center Wavelength CWL (nm):

+3/-1 Center Wavelength CWL Tolerance (nm):

10.00 Full Width-Half Max FWHM (nm):

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

80 Minimum Transmission (%):

Traditional Coated Coating:

1x10<sup>-4</sup> avg Xray to 1000nm 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](#).