

# 550nm CWL, 25mm Dia., High Transmission Traditional Coated 10nm Bandpass Filter




High Transmission Traditional Coated Bandpass Filters

Stock #71-644 **1 In Stock**

1 **A\$360<sup>.00</sup>**

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Volume Pricing	
Qty 1-10	A\$360.00 each
Qty 11-25	A\$306.00 each
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Product Downloads
 <a href="#">EO Spec Sheet</a>

## General

**Type:** Bandpass Filter

## Physical & Mechanical Properties

**Diameter (mm):** 25.00 +0/-0.25

**Clear Aperture CA (mm):** 21.0

**Thickness (mm):** 5.90

**Construction:** Mounted in Black Anodized Ring

## Optical Properties

**Center Wavelength CWL (nm):** 550.00

**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 (%):** 80

**Coating:** Traditional Coated

**Blocking Wavelength Range (nm):** 1x10<sup>-4</sup> avg Xray to 1000nm

## Environmental & Durability Factors

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

## Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: [View](#)

## 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](#).

## Related Products



Traditional Coated 400 – 699nm  
Bandpass Interference Filters



Hard Coated OD 4.0 10nm  
Bandpass Filters



Manual Cage Filter Wheel



Optomechanics

## Resources

### Media Type

- Application Note
- Video
- Published Article
- FAQ
- Glossary
- Trending in Optics

#### APPLICATION NOTE

The Importance of  
Optical Filter  
Orientation...

#### APPLICATION NOTE

Custom  
Bandpass  
Filter using an...  
Shortpass an...

#### VIDEO

Optical Filters  
Review

#### VIDEO

Optical Filter  
Coatings:  
Comparison of  
Traditional a...

#### PUBLISHED ARTICLE

Selecting Color  
Filter Glass for  
Life Science  
Applications

#### ? FAQ

What type of  
material  
should I look  
for in a filter?

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