

830nm CWL, 12.5mm Dia., High Transmission Traditional Coated 10nm Bandpass Filter




High Transmission Traditional Coated Bandpass Filters

Stock #71-738 **2 In Stock**

1 C\$161.⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-10	C\$161.00 each
Qty 11-25	C\$136.85 each
Need More?	Request Quote

Product Downloads
 EO Spec Sheet

General

Type: Bandpass Filter

Physical & Mechanical Properties

Diameter (mm): 12.50 +0/-0.25

Clear Aperture CA (mm): 9.0

Thickness (mm): 5.90

Construction: Mounted in Black Anodized Ring

Optical Properties

Center Wavelength CWL (nm): 830.00

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): 1x10⁻⁴ avg. X-Ray to 1200nm

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](#).

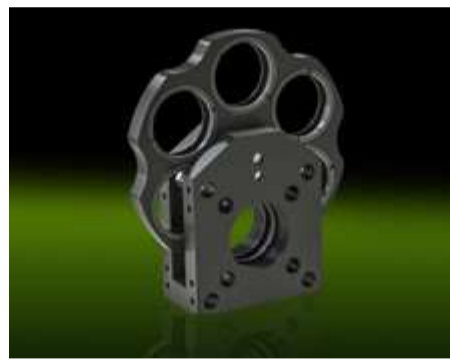
Related Products



Traditional Coated 400 – 699nm Bandpass Interference Filters



Hard Coated OD 4.0 10nm Bandpass Filters



Manual Cage Filter Wheel



Optomechanics

Frequently Purchased Together



#67-783 - 820nm CWL, 10nm FWHM, 12.5mm Mounted Diameter
C\$147.00

Qty

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 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?

[View More](#)