

550nm CWL, 12.5mm Dia., High Transmission Traditional Coated 20nm Bandpass Filter



High Transmission Traditional Coated Bandpass Filters

Stock #71-646 **3 In Stock**

1 £92.⁰⁰

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Volume Pricing	
Qty 1-10	£92.00 each
Qty 11-25	£78.20 each
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Prices shown are exclusive of VAT/local taxes

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): 550.00

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

Full Width-Half Max FWHM (nm): 20.00

Full Width-Half Max FWHM Tolerance (nm): ±4

Minimum Transmission (%): 80

Coating: Traditional Coated

Blocking Wavelength Range (nm): 1x10⁻⁴ avg Xray to 1000nm

Environmental & Durability Factors

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

Regulatory Compliance

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
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- Glossary
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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?

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