

450nm CWL, 50mm Dia.,High Transmission Traditional Coated 10nm Bandpass Filter



High Transmission Traditional Coated Bandpass Filters

Stock **#71-609** **1 In Stock**

-

1

+

S\$770<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | <b>S\$770.00</b> each         |
| Qty 11-25      | <b>S\$654.50</b> each         |
| Need More?     | <a href="#">Request Quote</a> |

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General

Bandpass Filter

Type:

Physical & Mechanical Properties

50.00 +0/-0.25

Diameter (mm):

45.0

Clear Aperture CA (mm):

Thickness (mm):

|                                          |                                      |
|------------------------------------------|--------------------------------------|
| 4.90                                     |                                      |
| Mounted in Black Anodized Ring           | Construction:                        |
| Optical Properties                       |                                      |
| Center Wavelength CWL (nm):              | 450.00                               |
| 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 (%):                | 75                                   |
| Coating:                                 | Traditional Coated                   |
| Blocking Wavelength Range (nm):          | 1x10 <sup>-4</sup> avg Xray to 800nm |

|                                    |            |
|------------------------------------|------------|
| Environmental & Durability Factors |            |
| Operating Temperature (°C):        | -50 to +70 |

|                             |                           |
|-----------------------------|---------------------------|
| Regulatory Compliance       |                           |
| RoHS 2015:                  | <a href="#">Compliant</a> |
| Certificate of Conformance: | <a href="#">View</a>      |
| REACH 241:                  | <a href="#">Compliant</a> |

## 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](#).