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## 450nm CWL, 25mm Dia.,High Transmission Traditional Coated 10nm Bandpass Filter



High Transmission Traditional Coated Bandpass Filters

Stock **#71-608** **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

| General                          |                         |
|----------------------------------|-------------------------|
| Bandpass Filter                  | Type:                   |
| Physical & Mechanical Properties |                         |
| 25.00 +0/-0.25                   | Diameter (mm):          |
| 21.0                             | 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:                               | Compliant                            |
| Certificate of Conformance:              | View                                 |
| REACH 241:                               | Compliant                            |

## 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](#).