

# 450nm CWL, 25mm Dia.,High Transmission Traditional Coated 40nm Bandpass Filter



High Transmission Traditional Coated Bandpass Filters

Stock **#71-614** **2 In Stock**

-

1

+

£180<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | £180.00 each                  |
| Qty 11-25      | £153.00 each                  |
| Need More?     | <a href="#">Request Quote</a> |

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

| General                          |                         |
|----------------------------------|-------------------------|
| Bandpass Filter                  | Type:                   |
| Physical & Mechanical Properties |                         |
| 25.00 +0/-0.25                   | Diameter (mm):          |
| 21.0                             | Clear Aperture CA (mm): |

|                                      |                                          |
|--------------------------------------|------------------------------------------|
| 5.90                                 | Thickness (mm):                          |
| Mounted in Black Anodized Ring       | Construction:                            |
| Optical Properties                   |                                          |
| 450.00                               | Center Wavelength CWL (nm):              |
| +10/-0                               | Center Wavelength CWL Tolerance (nm):    |
| 40.00                                | Full Width-Half Max FWHM (nm):           |
| ±8                                   | Full Width-Half Max FWHM Tolerance (nm): |
| 75                                   | Minimum Transmission (%):                |
| Traditional Coated                   | Coating:                                 |
| 1x10 <sup>-4</sup> avg Xray to 800nm | Blocking Wavelength Range (nm):          |
| Environmental & Durability Factors   |                                          |
| -50 to +70                           | Operating Temperature (°C):              |
| Regulatory Compliance                |                                          |
| Compliant                            | RoHS 2015:                               |
| View                                 | Certificate of Conformance:              |
| Compliant                            | REACH 241:                               |

## 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](#).