

# 500nm CWL, 50mm Dia.,High Transmission Traditional Coated 10nm Bandpass Filter



High Transmission Traditional Coated Bandpass Filters

Stock **#71-627** 1 In Stock

-

1

+

€550<sup>00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-10       | €550,00 each                  |
| Qty 11-25      | €467,50 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 |                         |
| 50.00 +0/-0.25                   | Diameter (mm):          |
| 45.0                             | Clear Aperture CA (mm): |

|                                      |                                          |
|--------------------------------------|------------------------------------------|
| 5.90                                 | Thickness (mm):                          |
| Mounted in Black Anodized Ring       | Construction:                            |
| Optical Properties                   |                                          |
| 500.00                               | Center Wavelength CWL (nm):              |
| +3/-1                                | Center Wavelength CWL Tolerance (nm):    |
| 10.00                                | Full Width-Half Max FWHM (nm):           |
| ±2                                   | 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](#).